Environment Canada Environnement Canada

Historical Streamflow Summary

Saskatchewan

Sommaire chronologique de l'écoulement

TO/JUSQU'À **1986**

INLAND WATERS/LANDS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1987

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES ET DES TERRES
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DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean discharges and annual extremes of discharge for rivers in Saskatchewan for which streamflow data to 1986 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Discharge data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
G.M.C. Building,
1102-8th Avenue,
Regina, Saskatchewan.
S4R 1C9
(306 780-5338)

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-1508).

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INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau du Saskatchewan, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1986 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur l'écoulement sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées.

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice G.M.C.
1102, Huitième avenue
Régina (Saskatchewan)
S4R 1C9
(306 780-5338)

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-1508).

PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Regina, Saskatchewan.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Régina (Saskatchewan).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Saskatchewan were conducted by the Water Survey of Canada under agreement with the Province of Saskatchewan. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Saskatchewan to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Saskatchewan for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Saskatchewan on February 18, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Saskatchewan en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de la Saskatchewan a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement de la Saskatchewan a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies who have contributed data for publication are identified herein under individual stations.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organisme qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île du Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication

presented in the International System of Units (SI) and published every two years. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Paper containing sediment data incorporates a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue is a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on avait recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenait un choix de ces données ainsi que d'autres, recueillies en 1961 avant le 30 septembre par des stations établies pour la réalisation du programme permanent. La deuxième publication portait sur les données recueillies dans le cadre du programme, au cours des années hydrologiques 1962 et 1963. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement. À partir de 1978, les données sont fournies dans le Système international d'unités (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for

New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

EXPLANATION OF HISTORICAL STREAMFLOW SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean discharges. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical streamflow data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Streamflow Summary publications contain data for both active and discontinued streamflow stations and do not contain any water level data. These publications will be published every two years and will contain data for all streamflow stations for the entire period of record not just the data for the intervening two years.

l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DE L'ÉCOULEMENT*

A. Description générale

Sous ce titre on trouve les renseignements descriptifs pour une station de relevés de l'écoulement, qui sont fournis après l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur l'écoulement, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique de l'écoulement* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le niveau des eaux n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés de l'écoulement pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Method of Tabulation of Data

For gauging stations where systematic streamflow data have been obtained, the following are given for the period of record to 1986 inclusive:

1. Summary of monthly and annual mean discharges;
2. Annual maximum instantaneous discharges;
3. Annual maximum and minimum daily discharges;
4. Identification of the extreme recorded for the period of record;
5. Annual total discharge in cubic decametres.

The following standard symbols are used opposite the daily discharge to which they apply. These symbols will not appear opposite the monthly and annual mean discharges, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical discharge data base after January 1, 1986.

1. *The summary of monthly and annual mean discharge* gives:

(a) the monthly mean in cubic metres per second for each month for which there is a complete month of daily discharges. Records of daily discharges for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

(b) the annual mean discharge in cubic metres per second if there are daily discharges for the complete year. In some cases a mean discharge is computed for a standard period within the year, say March to October. This is then computed for all the years for which there are daily discharge records from March to October, if there are also records for other months, say January to October, the mean is given for March to October only;

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique de l'écoulement, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1986 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la période d'observation;
5. Un résumé de l'écoulement annuel total en décamètres cubes.

Les symboles normalisés donnés ci-après sont inscrits à côté des débits quotidiens auxquels ils se rapportent. Les symbols ne sont fournis ni avec les débits moyens mensuels, ni avec les débits moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des débits après le 1er janvier 1986.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean discharges) donne:

(a) la moyenne mensuelle, exprimée en mètres cubes par seconde, des valeurs quotidienne de l'écoulement pour le mois entier. Pour les stations où on n'a mesuré l'écoulement quotidien que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

(b) la moyenne annuelle, en mètres cubes par seconde, pour les stations où on a obtenu des relevés quotidiens pour une année entière. Dans certains cas, la moyenne est calculée pour une période bien définie de l'année, par exemple pour mars à octobre. On donne donc la moyenne annuelle des relevés quotidiens effectués pour cette même période de l'année. S'il existe des données pour une autre partie de l'année, telle que pour janvier à octobre, la moyenne n'est toujours fournie que pour la période bien définie de mars à octobre;

(c) the mean of all the monthly means;

(d) the mean of all the annual or standard period means.

2. *The annual maximum instantaneous discharge* in cubic metres per second is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily discharges* in cubic metres per second are given for each year where daily discharges have been obtained for the entire year (or standard period within the year, e.g. March to October), or where they are considered to be valid for the year even though some daily discharges are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The annual total discharge* in cubic decametres is given for each year where daily discharges have been obtained for the entire year. If a standard period such as March to October has been selected, the figure applies to only those months, similar to the mean discharge in cubic metres per second.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1986 are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

(c) la moyenne de toutes les moyennes mensuelles,

(d) la moyenne de toutes les moyennes annuelles ou de toutes les moyennes pour une période bien définie.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous discharge) exprimées en mètres cubes par seconde, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant le niveau quotidien.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily discharges), exprimées en mètres cubes par seconde, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière ou pour une période bien définie de l'année, par exemple pour mars à octobre, ou lorsqu'on considère que les valeurs sont valables pour toute l'année même si quelques débits quotidiens ne sont pas disponibles.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le résumé de l'écoulement annuel total* (The annual total discharge), en décamètres cubes, est indiqué pour les stations où on a fait des relevés quotidiens pour une année entière. Si on a choisi une période bien définie de l'année, par exemple de mars à octobre, la valeur n'a trait qu'à ces mois, tout comme la moyenne mensuelle, en mètres cubes par seconde.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1986 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

STREAMFLOW DATA/DONNÉES SUR L'ÉCOULEMENT

ADAMS CREEK AT SODERSTROM'S RANCH - STATION NO. 11AB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.109	0.018	0.026	---	---	---	1909
1910	---	---	---	0.192	0.085	0.026	0.007	0.005	0.014	0.017	---	---	---	1910
1911	---	---	---	0.374	0.214	---	---	---	---	---	---	---	---	1911
MEAN	---	---	---	0.283	0.150	0.026	0.007	0.057	0.016	0.023	---	---	---	MEAN

LOCATION - LAT 49 35 00 N DRAINAGE AREA, 52.9 km²
LONG 109 46 00 W NATURAL FLOW

ADAMS CREEK AT SODERSTROM'S RANCH - STATION NO. 11AB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	0 ON JUL 16 *	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ADAMS CREEK AT SPANGLER'S RANCH - STATION NO. 11AB014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.039	0.027	0.028	---	---	---	1909
1910	---	---	---	0.048	0.035	0.024	0.016	0.016	0.021	0.021	---	---	---	1910
1911	---	---	---	---	---	---	0.032	0.024	0.017	0.187	---	---	---	1911
1912	---	---	---	---	0.218	0.120	0.015	0.021	0.051	0.099	---	---	---	1912
1913	---	---	---	0.891	0.222	0.045	0.045	0.008	0	0.016	---	---	---	1913
1914	---	---	---	---	0.097	0.044	0.001	0	0	0.020	---	---	---	1914
1915	---	---	---	0.317	0.160	0.305	0.160	0.056	0.133	0.132	---	---	---	1915
1916	---	---	0.626	0.209	0.436	0.980	0.285	0.156	0.095	0.188	---	---	0.394	1916
MEAN	---	---	0.626	0.366	0.195	0.253	0.076	0.041	0.118	0.083	---	---	0.394	MEAN

LOCATION - LAT 49 31 38 N DRAINAGE AREA, 80.8 km²
LONG 109 47 10 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

ADAMS CREEK AT SPANGLER'S RANCH - STATION NO. 11AB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0 ON JUN 13 *	---	1913
1914	---	---	0 ON AUG 4	---	1914
1915	---	---	0 ON JUL 8	---	1915
1916	---	---	---	---	1916
		3.45 ON MAR 11 *	0.023 ON MAR 8	8 340	MEAN
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 340	

ADAMS NORTH DITCH NEAR CYPRESS - STATION NO. 05NA027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0	0.009	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	0.001	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	---	0.001	0.009	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 43 29 N
LONG 109 35 28 W REGULATED

ADAMS NORTH DITCH NEAR CYPRESS - STATION NO. 05HA037

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---			
1916	---	---	0 ON MAY 1 *	---	1916
1917	---	---	0 ON MAY 16	---	1917
1918	---	---	0 ON MAY 1	---	1918
1919	---	---	OR ON AUG 5	---	1919
			OR ON MAY 23		
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN
		R - REVISED SINCE JAN 1 1986			

ADAMS SOUTH DITCH FROM CYPRESS CREEK - STATION NO. 05HA038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.020	0.006	---	---	---	---	---	---	---	---	1915
1917	---	---	---	---	0.020	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	0.020	0.014	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 43 00 N
LONG 109 35 00 W REGULATED

ADAMS SOUTH DITCH FROM CYPRESS CREEK - STATION NO. 05HA038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1917	---	---	---	---	1917
1918	---	---	OR ON AUG 5 *	---	1918
1919	---	---	OR ON JUN 21	---	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN
		R - REVISED SINCE JAN 1 1986			

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 05AD011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0.038	0.478	2.17	0.383	0.184	0.381	0.414	0.880	---	---	0.583	1977
1978	---	0.084	0.067	1.83	4.55	0.971	0.084	0.084	0.130	0.143	---	---	0.953	1978
1979	---	---	0.036	0.575	2.05	1.21	0.515	0.117	0.078	0.119	---	---	0.586	1979
1980	---	---	0.036	1.30	0.174	0.128	0.140	0.336	0.928	0.499	---	---	0.434	1980
1981	---	---	0.233	1.06	0.531	0.162	0.067	0.103	0.002	0.027	---	---	0.270	1981
1982	---	---	0.036	2.86	1.72	0.102	0.143	0.186	0.161	0.338	---	---	0.885	1982
1983	---	---	0.083	0.900	0.426	0.144	0.123	0.010	0.013	0.016	---	---	0.202	1983
1984	---	---	0.082	0.452	2.35	4.20	0.142	0.036	0.086	0.178	---	---	0.927	1984
1985	---	---	0.085	4.55	3.50	1.32	0.038	0.173	0.081	0.211	---	---	1.23	1985
1986	---	---	0.190	0.744	1.63	0.885	1.47	1.62	0.071	0.178	---	---	0.876	1986
MEAN	---	0.084	0.084	1.41	1.91	0.949	0.288	0.334	0.194	0.335	---	---	0.872	MEAN

LOCATION - LAT 53 57 10 N DRAINAGE AREA, 616 km^2
LONG 107 58 30 W

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 05AD011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	6.72 AT 13:30 CST ON MAY 23	6.479 ON MAY 23	0.007 ON JUL 6	12 200	1977
1978	17.0 AT 23:11 CST ON MAY 5	15.7 R ON MAY 5	0.001 ON JUL 27 *	20 200	1978
1979	3.88 AT 01:00 CST ON MAY 3	3.88 ON MAY 3	0.002 ON SEP 2	12 400	1979
1980	---	3.978 ON APR 17	0.001 ON JUN 15	9 880	1980
1981	2.39 AT 17:56 CST ON AUG 15	1.67 ON APR 23	0.001 ON JUL 13	5 720	1981
1982	13.2 E AT 15:11 CST ON APR 24	11.3 E ON APR 24	0.001 ON JUN 30	14 100	1982
1983	3.36 AT 11:48 CST ON APR 24	1.87 ON APR 24	0.001 ON SEP 2	4 280	1983
1984	21.7 AT 12:45 CST ON JUN 10 *	20.9 ON JUN 10 *	0.003 ON SEP 8	19 600	1984
1985	15.7 AT 16:43 CST ON APR 27	14.5 ON APR 27	0.001 ON JUL 29	25 200	1985
1986	7.04 AT 18:09 CST ON AUG 4	6.93 ON AUG 4	0.023 ON SEP 13	14 600	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 200	MEAN
		R - REVISED SINCE JAN 1 1986			

ANTELOPE CREEK NEAR CABRI - STATION NO. 05HC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.535	0.362	0	0	0.001	0	0	0	---	---	0.097	1970
1971	---	---	0	1.33	0.001	0	0	0	0	0	---	---	0.180	1971
1972	---	---	0.011	0	0	0	0	0	0	0	---	---	0.001	1972
1973	---	---	0.006	0	0	0	0	0	0	0	---	---	0.001	1973
1974	---	---	0	1.70	0.891	0.073	0.013	0	0	0	---	---	0.307	1974
1975	---	---	0	0.853	0.109	0	0	0	0	0	---	---	0.118	1975
1976	---	---	1.33	0.364	0.002	0.001	0.014	0	0	0	---	---	0.201	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.038	0.040	0.001	0	0	0	0	0	---	---	0.010	1978
1979	---	---	0.084	0.139	0.001	0	0	0	0	0	---	---	0.026	1979
1980	---	---	0.018	0.003	0	0	0	0	0	0	---	---	0.003	1980
1981	---	0.236	0.007	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	0	0.365	0.120	0.001	0.038	0	0	0	0	---	---	0.088	1982
1983	---	0.011	0.031	0.002	0.007	0.002	0.297R	0	0	0	---	---	0.042R	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.488	0.282	0	0.001	0	0	0	0	---	---	0.084	1985
1986	---	0.017	0.013	0	0.007	0.007	0.028	0	0	0	---	---	0.007	1986
MEAN	---	0.066	0.187	0.391	0.048	0.007	0.021R	0	0	0	---	---	0.086	MEAN

LOCATION - LAT 50 39 41 N DRAINAGE AREA, 244 km²
LONG 108 22 50 W NATURAL FLOW

R - REVISED SINCE JAN 1986

ANTELOPE CREEK NEAR CABRI - STATION NO. 05HC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	3.74 B AT 11 30 CST ON MAR 24	3.28 B ON MAR 24	0B ON MAR 1 *	2 080	1970
1971	---	8.24 ON APR 6	0B ON MAR 1	3 180	1971
1972	---	0.1188 ON MAR 24	0B ON MAR 1	30.2	1972
1973	---	0.0218 ON MAR 12	0B ON MAR 1	22.6	1973
1974	15.4 B AT 00 15 CST ON APR 15	10.4 B ON APR 15 *	0B ON MAR 1	6 510	1974
1975	5.51 AT 13 37 CST ON APR 18	5.80 ON APR 18	0B ON MAR 1	2 500	1975
1976	10.8 AT 12 43 CST ON MAR 23	7.59 ON MAR 23	0B ON MAR 1	4 250	1976
1977	0 AT 00 01 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
1978	0.536 AT 23 36 CST ON MAR 30	0.436 ON MAR 30	0B ON MAR 1	211	1978
1979	---	0.4008 ON MAR 31	0B ON MAR 1	551	1979
1980	---	0.1808 ON MAR 30	0B ON MAR 1	55.7	1980
1981	---	0.0528 ON MAR 1	0 ON MAR 13	18.3	1981
1982	5.83 B AT 15 57 CST ON MAR 28	3.40 B ON MAR 29	0B ON MAR 1	1 440	1982
1983	30.0 B AT 07 33 CST ON JUL 21 *	8.12 R ON JUL 21	0 ON MAR 8	880 R	1983
1984	0 B AT 00 00 CST ON MAR *	0 B ON MAR 1	0B ON MAR 1	0	1984
1985	8.15 AT 03 13 CST ON APR 2	3.42 B ON MAR 15	0B ON MAR 1	1 990	1985
1986	---	0.434 ON JUL 23	0 ON MAR 13	143	1986
				1 400 R	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

ANTLER RIVER NEAR WAUCHOPE - STATION NO. 05NF010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	0.231	0.002	0.008	0	0	0.129	0.176	---	---	0.064	1965
1966	---	---	0.145	0.731	0.358	0.012	0.001	0	0	0	---	---	0.155	1966
1967	---	---	0	0.229	0.038	0	0	0	0	0	---	---	0.033	1967
1968	---	---	0.100	0.091	0	0	0	0	0	0	---	---	0.013	1968
1969	---	---	0	2.84	0.052	0	0.931	0.041	0	0	---	---	0.477	1969
1970	---	---	0	1.23	1.46	0.064	0.005	0	0	0	---	---	0.347	1970
1971	---	---	0	0.299	0.022	0	0.007	0	0	0	---	---	0.040	1971
1972	---	---	0.881	0.318	0.121	0.128	0	0	0	0	---	---	0.146	1972
1973	---	---	0.068	0.003	0.007	0.011	0	0	0	0	---	---	0.009	1973
1974	---	---	0	1.87	0.707	0.118	0	0	0	0	---	---	0.333	1974
1975	---	---	0	2.58	1.11	0.379	0.036	0.201	1.36	0.233	---	---	0.729	1975
1976	---	---	0	5.89	0.500	0.126	0.010	0	0	0	---	---	1.30	1976
1977	---	---	0	0	0.003	0	0	0	0	0	---	---	0	1977
1978	---	---	0.004	0.133	0.030	0.017	0	0	0	0	---	---	0.021	1978
1979	---	---	0	0.856	0.110	0.006	0	0	0	0	---	---	0.133	1979
1980	---	---	0	0.231	0	0	0	0.002	0	0	---	---	0.028	1980
1981	---	---	0.019	0	0	0	0	0	0	0	---	---	0.002	1981
1982	---	---	0	0.807	0	0	0	0	0	0	---	---	0.111	1982
1983	---	---	0	1.08	0.011	0	0	0	0	0	---	---	0.129	1983
1984	---	---	0.006	0.004	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.298	0.310	0.002	0	0	1.88	0.289	0.187	---	---	0.384	1985
1986	---	---	0.498	0.095	0.581	0.095	0.062	0.004	0	0	---	---	0.188	1986
MEAN	---	---	0.076	1.08	0.232	0.044	0.048	0.087	0.081	0.028	---	---	0.209	MEAN

LOCATION - LAT 49 35 03 N DRAINAGE AREA, 349 km²
LONG 101 50 02 W NATURAL FLOW

ANTLER RIVER NEAR WAUCHOPE - STATION NO. 05NF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	2.30 ON APR 13	08 ON MAR 1 *	1 440	1965
1966	---	2.61 B ON APR 1	08 ON MAR 1	3 270	1966
1967	---	1.13 B ON APR 8	08 ON MAR 1	888	1967
1968	---	0.5808 ON MAR 14	08 ON MAR 1	289	1968
1969	---	15.2 ON APR 13	08 ON MAR 1	10 100	1969
1970	---	3.71 ON APR 30	08 ON MAR 1	7 340	1970
1971	---	0.8108 ON APR 11	08 ON MAR 1	853	1971
1972	---	3.54 B ON MAR 20	08 ON MAR 1	3 090	1972
1973	---	0.238 ON MAR 16	08 ON MAR 1	185	1973
1974	---	11.8 ON APR 15	08 ON MAR 1	7 050	1974
1975	---	11.6 ON APR 28	08 ON MAR 1	15 400	1975
1976	34.5 AT 04 59 CST ON APR 10 *	31.7 ON APR 10 *	08 ON MAR 1	27 500	1976
1977	0.241A AT 23 00 CST ON MAY 4	0.051 ON MAY 5	08 ON MAR 1	6.83	1977
1978	1.27 B AT 11 48 CST ON APR 4	0.7188 ON APR 4	08 ON MAR 1	453	1978
1979	5.95 AT 10 36 CST ON APR 21	5.20 ON APR 21	08 ON MAR 1	2 810	1979
1980	3.48 B AT 20 11 CST ON APR 6	1.57 ON APR 7	08 ON MAR 1	603	1980
1981	---	0.0508 ON MAR 1	08 ON APR 1	51.1	1981
1982	9.21 B AT 22 33 CST ON APR 13	7.78 B ON APR 14	08 ON MAR 1	2 350	1982
1983	7.88 AT 01 00 CST ON APR 21	7.11 ON APR 21	08 ON MAR 1	2 740	1983
1984	0.2578 AT 22 27 CST ON MAR 21	0.0778 ON MAR 22	08 ON MAR 1	32.4	1984
1985	18.4 AT 09 13 CST ON AUG 5	15.5 ON AUG 5	08 ON MAR 1	7 710	1985
1986	3.57 AT 03 28 CST ON JUN 20	2.26 B ON MAR 3	0 ON JUN 1	3 570	1986
				4 430	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARM RIVER NEAR BETHUNE - STATION NO. 05JH001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	10.0	1.58	0.169	0.125	0.041	0.035	0.029	---	---	---	1922
1923	---	---	0.025	2.89	0.610	---	---	---	---	---	---	---	---	1923
1936	---	---	0.051	4.07	0.854	0.105	---	---	---	---	---	---	---	1936
1953	---	---	---	1.93	0.047	0.089	---	---	---	---	---	---	---	1953
1954	---	---	0.043	0.980	0.464	1.34	---	---	---	---	---	---	---	1954
1955	---	---	0.411	5.81	2.13	0.184	0.154	0.014	0	0	---	---	1.29	1955
1956	---	---	0	6.94	0.814	0.464	0.243	0.078	0.023	0.015	---	---	1.05	1956
1957	---	---	2.87	2.09	0.350	0.105	0.018	0.002	0	0.002	---	---	0.678	1957
1958	---	---	1.50	1.28	0.128	0.042	0.001	0	0	0	---	---	0.388	1958
1959	---	---	0.212	0.130	0.055	0.211	0.068	0	0.002	0.035	---	---	0.094	1959
1960	---	---	0.811	4.08	0.283	0.077	0.023	0	0	0	---	---	0.850	1960
1961	---	---	0.081	0.075	0.185	0.214	0	0	0	0	---	---	0.089	1961
1962	---	---	0.001	0.743	0.063	0.087	0.002	0	0	0	---	---	0.110	1962
1963	---	---	0.185	0.010	0.012	0.172	0.100	0.157	0.001	0	---	---	0.077	1963
1964	---	---	0.062	0.102	0.058	0	0	0	0	0	---	---	0.028	1964
1965	---	---	0	6.395	0.087	0.188	0.867	0.008	0	0.004	---	---	0.186	1965
1966	---	---	1.09	2.18	0.204	0.205	0.122	0.008	0	0.051	---	---	0.477	1966
1967	---	---	0	0.735	0.814	0.094	0.001	0	0	0	---	---	0.217	1967
1968	---	---	2.18	0.138	0.042	0.162	0	0.009	0.010	0.032	---	---	0.324	1968
1969	---	---	0	11.4	0.488	0.006	0.029	0.123	0.003	0.522	---	---	1.55	1969
1970	---	---	0.892	4.50	0.752	0.205	0.124	0.001	0.114	0.097	---	---	0.826	1970
1971	---	---	0	2.46	0.164	0.073	0.094	0.108	0	0.057	---	---	0.368	1971
1972	---	---	0.235	0.190	0.115	0.020	0	0	0	0	---	---	0.070	1972
1973	---	---	0.388	0.187	0.220	0.318	0.005	0	0	0.058	---	---	0.143	1973
1974	---	---	0	14.8	2.28	0.857	0.148	0.079	0.021	0.031	---	---	2.21	1974
1975	---	---	0	1.84	0.525	0.109	0.034	0	0	0	---	---	0.285	1975
1976	---	---	0.884	3.29	0.133	0.284	0.125	0.002	0.079	0.029	---	---	0.571	1976
1977	---	---	0.007	0.018	0.045	0.008	0	0	0	0.030	---	---	0.014	1977
1978	---	---	0.366	1.38	0.221	0.054	0.001	0	0.055	0	---	---	0.256	1978
1979	---	---	0	8.04	1.23	0.203	0.052	0.009	0	0.009	---	---	0.929	1979
1980	---	---	0.828	1.32	0.004	0.001	0.058	0.001	0	0.151	---	---	0.284	1980
1981	---	0.033	0.058	0.132	0.042	0.006	0.005	0.005	0.001	0.010	---	---	0.031	1981
1982	---	---	0.001	4.82	0.441	0.107	0.088	0.010	0	0	---	---	0.672	1982
1983	---	---	0.202	1.14	0.126	0.026	0.457	0.050	0.007	0.004	---	---	0.251	1983
1984	---	---	0.223	0.342	0.020	0.001	0	0	0	0	---	---	0.073	1984
1985	---	---	1.70	8.31	0.386	0.028	0	0	0	0	---	---	1.40	1985
1986	---	0.092	1.17	0.416	0.455	0.008	0	0	0	0	---	---	0.258	1986
MEAN	---	0.063	0.458	2.94	0.447	0.167	0.084	0.021	0.011	0.035	---	---	0.480	MEAN

LOCATION - LAT 50 44 12 N, LONG 105 11 28 W DRAINAGE AREA, 1 910 km^2 REGULATED

ARM RIVER NEAR BETHUNE - STATION NO 05JH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	42.5 E ON APR 7	---	---	1922
1923	---	7.31 ON APR 14	0 B ON MAR 1 *	---	1923
1936	---	28.2 ON APR 12	0 B ON MAR 1	---	1936
1953	---	17.8 ON APR 2	---	---	1953
1954	---	3.85 ON APR 23	0 B ON MAR 1	---	1954
1955	---	25.6 B ON APR 4	0 B ON MAR 1	25 305	1955
1956	---	29.2 ON APR 17	0 B ON MAR 1	22 300	1956
1957	---	16.0 B ON MAR 24	0 B ON MAR 1	14 400	1957
1958	---	11.6 B ON MAR 29	0 B ON MAR 10	7 780	1958
1959	---	3.28 ON JUN 28	0 B ON MAR 1	2 800	1959
1960	---	19.8 ON APR 8	0 B ON MAR 1	13 800	1960
1961	---	0.578 ON JUN 2	0 B ON MAR 1	1 450	1961
1962	---	3.28 ON APR 7	0 B ON MAR 1	2 330	1962
1963	2.11 AT 05 00 CST ON JUN 10	1.93 A ON MAR 24	0 B ON MAR 1	1 840	1963
1964	---	0.3885 ON MAR 18	0 B ON MAR 1	585	1964
1965	---	2.80 B ON APR 10	0 B ON MAR 1	3 510	1965
1966	10.3 A AT 08 00 CST ON APR 4	8.83 A ON APR 4	0 B ON MAR 1	10 100	1966
1967	---	2.23 ON MAY 3	0 B ON MAR 1	4 500	1967
1968	---	9.88 B ON MAR 7	0 ON JUN 23	5 870	1968
1969	31.7 B AT 22 00 CST ON APR 13	58.3 ON APR 14	0 B ON MAR 1	32 700	1969
1970	---	14.2 B ON APR 10	0 B ON MAR 1	17 500	1970
1971	14.6 B AT 22 36 CST ON APR 9	8.44 B ON APR 9	0 B ON MAR 1	7 740	1971
1972	3.62 B AT 11 08 CST ON MAR 22	1.95 B ON MAR 22	0 B ON MAR 1	1 480	1972
1973	3.08 B AT 14 42 CST ON MAR 11	1.82 B ON MAR 11	0 B ON MAR 1	3 010	1973
1974	100 AT 17 58 CST ON APR 22 *	86.7 ON APR 22 *	0 B ON MAR 1	46 800	1974
1975	9.37 B AT 13 01 CST ON APR 15	6.31 B ON APR 15	0 B ON MAR 1	6 930	1975
1976	---	10.9 B ON APR 3	0 ON AUG 15	12 100	1976
1977	0.374 AT 20 22 CST ON MAY 25	0.252 ON MAY 25	0 ON JUL 6	283	1977
1978	---	3.85 B ON MAR 30	0 B ON MAR 1	5 430	1978
1979	27.2 AT 35 20 CST ON APR 22	25.5 ON APR 22	0 B ON MAR 1	19 700	1979
1980	7.70 B AT 13 50 CST ON MAR 31	5.40 B ON MAR 30	0 B ON MAR 1	5 885	1980
1981	0.4918 AT 17 21 CST ON APR 22	0.437 ON APR 22	0 E ON JUL 11	853	1981
1982	37.5 AT 19 00 CST ON APR 16	29.7 ON APR 17	0 B ON MAR 1	14 200	1982
1983	4.96 B AT 21 00 CST ON APR 6	3.78 B ON APR 6	0.001 ON JUN 18	5 325	1983
1984	1.89 B AT 15 38 CST ON MAR 25	1.71 B ON MAR 25	0 ON JUL 5	1 540	1984
1985	20.0 AT 06 16 CST ON APR 8	19.7 ON APR 7	0 B ON MAR 1	29 700	1985
1986	5.08 B AT 20 02 CST ON MAR 2	4.56 B ON MAR 3	0 ON JUN 20	5 450	1986
				10 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARMSTRONG EAST DITCH NEAR MURRAYDALE - STATION NO 11AC030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	0	0	0	0	0	0	0	0	---	---	0	1913
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	---	---	---	---	---	---	---	---	---	---	---	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1934	---	---	0	0	0.009	0.009	0	0	0	0	---	---	0.002	1934
1936	---	---	0	0	0.009	0	0	0	0	0	---	---	0.001	1936
1937	---	---	0	0	0.009	0	0	0	0	0	---	---	0.001	1937
1938	---	---	0	0	0	0	0	0	0	0	---	---	0	1938
1939	---	---	0	0	0	0	0	0	0	0	---	---	0	1939
MEAN	---	---	0	0	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 37 40 N
LONG 109 12 30 W
REGULATED

ARMSTRONG EAST DITCH NEAR MURRAYDALE - STATION NO 11AC030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	
1914	---	0 ON MAR 1	0 ON MAR 1 *	0	1913
		0 ON MAR 1	0 ON MAR 1	0	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	---	0 ON MAY 27	---	1917
1918	---	---	0 ON MAY 28	---	1918
1920	---	---	0 ON JUN 14	---	1920
1921	---	0.001 ON JUN 12	0 ON MAR 1	0.09	1921
1922	---	---	0 ON JUN 20	---	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1934	---	0.009E ON MAY 1 *	0 ON MAR 1	47.4	1934
1936	---	0.009E ON MAY 1	0 ON MAR 1	24.1	1936
1937	---	0.009E ON MAY 1	0 ON MAR 1	24.1	1937
1938	---	0 ON MAR 1	0 ON MAR 1	0	1938
1939	---	0 ON MAR 1	0 ON MAR 1	0	1939
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4.78	MEAN

ARMSTRONG WEST DITCH NEAR MURRAYDALE - STATION NO 11AC031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0.011	0.028	0.008	0	0	0	0	---	---	0.005	1919
1920	---	---	0	0	0.037	0.011	0	0	0	0	---	---	0.008	1920
1921	---	---	0	0	0.030	---	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0.011	0.003	0	0	0	0	---	---	0.002	1922
1923	---	---	0	0.200	0	0	0	0	0	0	---	---	0.024	1923
1924	---	---	0	0	0.107	0	0	0	0	0	---	---	0.014	1924
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0.014	0.020	0	0	0	0	---	---	0.004	1930
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
MEAN	---	---	0	0.015	0.021	0.004	0	0	0	0	---	---	0.006	MEAN

LOCATION - LAT 49 37 10 N
LONG 109 13 10 W REGULATED

REMARKS - ESTIMATED ANNUAL DIVERSIONS ARE 1925(74), 1927(193), 1930(49), 1933(123), 1936(28), 1937(28), 1938(73), AND 1939(74) (DAM^3)

ARMSTRONG WEST DITCH NEAR MURRAYDALE - STATION NO 11AC031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.037 ON APR 21	0 ON MAR 1 *	134	1919
1920	---	0.037 ON MAY 1	0 ON MAR 1	139	1920
1921	---	---	0 ON MAR 1	---	1921
1922	---	0.012 ON MAY 1	0 ON MAR 1	38.3	1922
1923	---	0.218 ON APR 1 *	0 ON MAR 1	918	1923
1924	---	0.122 ON MAY 2	0 ON MAR 1	394	1924
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0.051 ON MAY 14	0 ON MAR 1	88.7	1930
1934	---	0 ON MAR 1	0 ON MAR 1	0	1934
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		118	MEAN

ARNOLD TRIBUTARY NEAR FISKE - STATION NO. 05HF019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	0.514	0.085	0.049	0.003	0	0	0.001	---	---	0.078	1970
1971	---	---	0	0.343	0.005	0.003	0.005	0	0	0	---	---	0.044	1971
1972	---	---	0.024	0.021	0.001	0	0	0	0	0	---	---	0.005	1972
1973	---	---	0.049	0.005	0.004	0	0	0	0	0	---	---	0.007	1973
1974	---	---	0	0.230	0.019	0.034	0.002	0.001	0.001	0.002	---	---	0.035	1974
1975	---	---	0	0.27	0.014	0.008	0	0	0	0.001	---	---	0.036	1975
1976	---	---	0.077	0.096	0.003	0.004	0.002	0	0	0	---	---	0.023	1976
1977	---	---	0.007	0.021	0	0	0	0	0	0.001	---	---	0.005	1977
1978	---	---	0.080	0.034	0.008	0.002	0	0	0	0	---	---	0.013	1978
1979	---	---	0.029	0.035	0.005	0.002	0.002	0	0	0	---	---	0.009	1979
MEAN	---	---	0.025	0.156	0.015	0.010	0.001	0	0	0.001	---	---	0.025	MEAN

LOCATION - LAT 51 25 08 N
LONG 108 27 52 W

DRAINAGE AREA, 24.3 km²
NATURAL FLOW

ARNOLD TRIBUTARY NEAR FISKE - STATION NO. 05HF019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	6.09 AT 16 59 CST ON APR 10 *	3.37 B ON APR 6 *	0E ON MAR 1 *	1 850	1970
1971	4.36 E AT 18 30 CST ON APR 9	2.32 E ON APR 9	0E ON MAR 1	925	1971
1972	0.6828 AT 12 01 CST ON MAR 18	0.1598 ON APR 2	0E ON MAR 1	123	1972
1973	0.725 AT 19 40 CST ON MAR 16	0.227 ON MAR 17	0 ON MAR 1	182	1973
1974	5.07 AT 14 50 CST ON JUN 26	0.9468 ON APR 19	0E ON MAR 1	748	1974
1975	3.86 AT 18 54 CST ON APR 19	1.67 B ON APR 19	0E ON MAR 1	772	1975
1976	3.03 AT 18 10 CST ON MAR 31	0.9158 ON MAR 31	0E ON MAR 1	483	1976
1977	0.733 AT 18 30 CST ON MAY 19	0.221 ON MAY 19	0 ON JUN 3	85.5	1977
1978	1.73 B AT 20 00 CST ON MAR 28	0.5808 ON MAR 28	0E ON MAR 1	280	1978
1979	1.12 AT 23 12 CST ON APR 18	0.313 ON APR 19	0E ON MAR 1	193	1979
				542	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	2.56	1.40	0.984	0.472	0.117	0.139	0.187	---	---	---	1944
1945	---	---	---	6.43	4.05	2.37	1.30	0.272	0.308	0.567	---	---	---	1945
1946	---	---	---	13.8	3.15	1.16	0.823	0.289	0.239	0.383	---	---	---	1946
1947	---	---	---	21.6	18.1	4.81	4.82	0.962	0.832	1.12	---	---	---	1947
1948	---	---	---	---	73.7	5.51	2.44	1.00	0.259	0.408	---	---	---	1948
1949	---	---	---	---	1.83	5.23	1.40	0.472	0.138	0.176	---	---	---	1949
1950	---	---	---	14.1	9.57	2.38	1.00	2.25	0.545	0.325	---	---	---	1950
1951	---	---	---	20.4	32.1	6.47	3.06	1.24	3.23	7.87	---	---	---	1951
1952	---	---	---	37.4	12.2	3.44	1.23	0.319	0.199	0.247	---	---	---	1952
1953	---	---	---	16.5	16.2	21.1	62.8	31.3	12.7	5.20	4.45	---	---	1953
1954	---	---	---	31.2	63.7	118	38.8	9.45	12.2	13.5	7.81	---	---	1954
1955	---	---	---	91.6	132	31.9	12.7	4.82	2.32	2.28	---	---	---	1955
1956	---	---	---	42.4	125	29.4	10.8	3.13	2.30	1.77	1.89	0.984	---	1956
1957	0.431	0.375	0.402	40.9	45.2	5.46	1.79	1.10	1.02	0.147	0.232	0.333	8.14	1957
1958	0.159	0.298	0.309	8.49	2.51	0.874	0.101	0.029	0.030	0.081	0.375	0.065	1.09	1958
1959	0.050	0.028	1.09	5.83	1.60	0.477	0.580	0.154	0.212	0.620	0.528	0.200	0.828	1959
1960	0.177	0.201	0.131	53.7	19.3	9.34	3.68	0.183	0.031	0.021	0.169	0.219	7.21	1960
1961	0.168	0.083	0.218	0.826	0.718	0.359	0	0	0	0	0	0	0.181	1961
1962	0	0	0.007	19.9	7.16	1.20	0.250	0.004	0.053	0.049	0.083	0	2.38	1962
1963	0	0	0.913	6.44	1.48	1.15	0.540	0.075	0	0.028	0.028	0.028	0.885	1963
1964	0.028	0.028	0.028	5.00	5.31	0.812	0.304	0.349	0.781	0.705	0.721	0.277	1.19	1964
1965	0.222	0.192	0.184	21.3	8.94	19.5	5.57	1.21	1.37	3.28	1.80	0.643	5.31	1965
1966	0.572	0.376	0.809	55.1	23.8	9.11	5.22	4.77	1.89	0.473	0.828	0.724	8.86	1966
1967	0.503	0.389	0.270	12.0	42.2	5.80	0.570	0.108	0.007	0.470	0.181	0.183	5.27	1967
1968	0.146	0.173	1.71	8.44	1.34	0.755	0.374	0.332	0.314	0.073	0.149	0.143	1.15	1968
1969	0.128	0.076	0.130	26.4	4.95	1.24	0.628	0.545	0.118	0.620	0.348	0.131	2.92	1969
1970	0.077	0.071	0.073	20.9	27.6	6.18	3.70	0.770	0.043	0.845	1.88	0.773	5.28	1970
1971	0.387	0.320	0.288	68.3	18.0	6.37	3.11	1.81	0.158	0.558	0.916	0.943	8.38	1971
1972	0.609	0.329	0.754	64.2	60.2	3.79	0.792	0.226	0.009	0.065	0.258	0.148	10.9	1972
1973	0.085	0.088	0.699	5.14	5.56	8.42	7.39	1.08	0.217	0.167	0.399	0.571	2.49	1973
1974	0.354	0.350	0.336	47.5	68.4	30.0	2.14	1.17	1.61	1.80	1.89	1.52	13.1	1974
1975	0.814	0.721	0.583	45.1	89.4	19.5	6.85	1.48	1.36	1.35	1.71	0.833	14.2	1975
1976	0.434	0.403	0.873	98.3	26.2	20.5	19.9	3.15	0.484	0.402	0.893	0.857	14.3	1976
1977	0.407	0.388	0.493	9.84	4.34	0.711	0.157	0.117	0.148	0.354	0.461	0.436	1.48	1977
1978	0.286	0.184	0.269	15.7	6.91	0.888	1.24	0.130	0.070	0.177	0.893	0.573	2.26	1978
1979	0.414	0.311	0.229	41.1	93.2	14.0	1.85	0.483	0.511	0.330	0.404	0.480	12.9	1979
1980	0.453	0.374	0.358	28.8	5.13	0.829	0.434	0.115	0.078	0.284	0.497	0.319	3.09	1980
1981	0.187	0.181	1.79	4.70	1.75	1.48	1.25	0.844	0.122	1.40	1.63	0.818	1.32	1981
1982	0.215	0.155	0.342	9.21	4.29	1.44	5.15	0.498	0.053	0.242	0.344	0.202	1.85	1982
1983	0.243	0.285	0.298	25.5	35.1	8.17	11.3	2.76	0.254	0.180	0.586	0.621	7.15	1983
1984	0.378	0.367	4.53	15.4	7.41	8.43	2.10	0.109	0.084	0.187	0.767	0.681	3.35	1984
1985	0.351	0.322	0.341	76.8	28.1	6.57	1.45	0.413	0.321	0.508	0.540	0.378	9.63	1985
1986	0.373	0.429	1.85	60.6	12.1	3.73	2.27	0.890	0.081	0.179	0.402	0.443	8.89	1986
MEAN	0.288	0.250	0.880	29.3	26.8	9.99	5.42	1.86	1.08	1.18	1.01	0.454	5.46	MEAN

LOCATION - LAT 51 33 53 N
LONG 101 54 58 W

DRAINAGE AREA, 12 900 km²
REGULATED

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	8.01 B ON APR 14	0 ON APR 1 *	---	1944
1945	---	13.8 B ON APR 2	---	---	1945
1946	---	22.3 B ON MAR 28	---	---	1946
1947	---	48.4 ON APR 22	0 B ON APR 1	---	1947
1948	---	238 ON APR 29	---	---	1948
1949	---	---	---	---	1949
1950	---	45.9 ON APR 24	---	---	1950
1951	---	51.8 ON MAY 10	---	---	1951
1952	---	80.0 ON APR 20	---	---	1952
1953	---	107 ON JUL 7	---	---	1953
1954	---	269 ON JUN 17	---	---	1954
1955	---	239 ON MAY 10	---	---	1955
1956	---	203 ON APR 26	---	---	1956
1957	---	143 ON APR 25	0.057E ON OCT 20	257 000	1957
1958	18.2 AT 14 00 CST ON APR 7	17.0 ON APR 8	0.028 ON AUG 2	34 200	1958
1959	---	14.7 B ON APR 4	0.028B ON JAN 25	29 300	1959
1960	123 AT 08 00 CST ON APR 20	121 ON APR 20	0 E ON OCT 17	228 000	1960
1961	---	0.963 ON MAY 15	0 ON JUL 2	5 700	1961
1962	84.8 AT 01 00 CST ON APR 26	84.0 ON APR 25	0 ON JAN 1	75 100	1962
1963	---	13.5 A ON APR 16	0 B ON JAN 1	27 800	1963
1964	---	14.7 B ON APR 19	0.028B ON JAN 1	37 700	1964
1965	50.4 AT 01 00 CST ON APR 18	49.8 ON APR 18	0.135 ON SEP 14	187 000	1965
1966	106 AT 02 00 CST ON APR 17	104 ON APR 17	0.153 ON OCT 11	274 000	1966
1967	66.3 AT 03 30 CST ON MAY 8	66.0 ON MAY 8	0 ON AUG 28	186 000	1967
1968	---	16.4 B ON APR 7	0 ON JUL 15	36 500	1968
1969	54.0 AT 07 39 CST ON APR 20	53.7 ON APR 20	0 ON SEP 20	92 200	1969
1970	41.6 AT 24 00 CST ON MAY 8	41.3 ON MAY 8	0 ON AUG 28	186 000	1970
1971	185 AT 08 03 CST ON APR 21	183 ON APR 21	0.054 ON SEP 22	284 000	1971
1972	158 AT 12 40 CST ON APR 26	155 ON APR 26	0 ON SEP 6	345 000	1972
1973	12.6 AT 18 08 CST ON JUL 14	12.6 ON JUL 14	0.0288 ON JAN 21	78 800	1973
1974	192 AT 22 55 CST ON APR 25	190 ON APR 26	0.0938 ON FEB 27	413 000	1974
1975	223 AT 03 43 CST ON MAY 5	219 ON MAY 5	0.2808 ON JAN 12	448 000	1975
1976	276 AT 06 11 CST ON APR 17 *	273 ON APR 17 *	0.210 ON SEP 24	453 000	1976
1977	23.3 AT 12 45 CST ON APR 18	23.1 ON APR 18	0.034 ON SEP 6	47 000	1977
1978	25.8 AT 14 56 CST ON APR 25	25.7 ON APR 25	0.027 ON SEP 18	71 100	1978
1979	234 AT 12 15 CST ON APR 29	229 ON APR 29	0.156 ON SEP 30	406 000	1979
1980	57.7 AT 01 18 CST ON APR 15	55.3 ON APR 15	0.061 ON AUG 3	97 700	1980
1981	8.928 AT 08 30 CST ON APR 11	9.28 B ON APR 10	0.022 ON OCT 5	41 500	1981
1982	32.4 AT 02 33 CST ON JUL 19	31.5 ON JUL 18	0.026 ON SEP 6	58 300	1982
1983	127 AT 17 33 CST ON APR 29	127 ON APR 29	0.083 ON SEP 24	226 000	1983
1984	22.2 B AT 23 09 CST ON APR 1	21.8 B ON APR 2	0.004 ON AUG 31	106 000	1984
1985	155 AT 04 37 CST ON APR 19	154 ON APR 19	0.2078 ON JAN 21	304 000	1985
1986	120 AT 23 41 CST ON APR 6	114 ON APR 7	0.020 ON SEP 9	217 000	1986
				172 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ASSINIBOINE RIVER AT STURGIS - STATION NO 05MC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	0.808	0.553	0.181	0.083	0.028	0.019	0.020	---	---	---	1944
1945	---	---	---	2.43	1.85	0.973	0.706	0.107	0.116	0.143	---	---	---	1945
1946	---	---	---	4.05	1.26	0.785	0.382	0.043	0.232	0.228	---	---	---	1946
1947	---	---	---	---	4.72	1.81	2.27	0.410	0.474	0.527	---	---	---	1947
1948	---	---	---	---	20.8	1.77	0.523	0.267	0.048	0.073	---	---	---	1948
1949	---	---	---	1.02	1.33	3.96	0.806	0.199	0.031	0.044	---	---	---	1949
1950	---	---	---	---	3.44	1.11	0.482	2.10	0.186	0.166	---	---	---	1950
1951	---	---	---	6.62	14.0	3.43	1.67	0.865	3.55	6.88	---	---	---	1951
1952	---	---	---	18.9	6.23	1.85	0.446	0.232	0.085	0.187	---	---	---	1952
1953	---	---	---	4.30	9.46	16.3	26.6	14.8	7.01	1.96	1.88	---	---	1953
1954	---	---	---	6.26	29.1	44.8	5.84	2.18	5.06	3.70	1.75	---	---	1954
1955	---	---	---	26.8	36.0	4.80	1.13	0.338	0.216	0.259	---	---	---	1955
1956	---	---	---	4.38	32.3	5.98	1.59	0.800	0.632	0.597	---	---	---	1956
1957	---	---	0.133	12.8	9.23	0.916	0.384	0.199	0.261	0.221	---	---	2.99	1957
1958	---	---	0.153	1.89	0.631	0.298	0.104	0	0	0	---	---	0.380	1958
1959	---	---	0.149	0.888	0.426	0.029	0.109	0.030	0.139	0.516	---	---	0.285	1959
1960	---	---	0	17.2	5.87	5.81	1.79	0.044	0.005	0	---	---	3.93	1960
1961	---	---	0.037	0.305	0.481	0.029	0	0	0	0	---	---	0.108	1961
1962	---	---	0	5.10	1.75	0.185	0	0	0	0	---	---	0.874	1962
1963	---	---	0.209	3.45	0.444	0.367	0.133	0	0	0	---	---	0.586	1963
1965	---	---	0	9.25	5.73	19.7	4.24	0.594	0.352	0.380	---	---	4.97	1965
1966	---	---	0.668	18.6	9.80	3.88	2.40	2.17	0.638	0.323	---	---	4.77	1966
1967	---	---	0.233	3.99	16.4	2.53	0.156	0	0	0	---	---	2.92	1967
1968	---	---	0.201	3.22	0.232	0.181	0.209	0.332	0.085	0.216	---	---	0.575	1968
1969	---	---	0.082	8.02	1.34	0.254	0.114	0.010	0.002	0.150	---	---	1.23	1969
1970	---	---	0.027	7.25	12.4	2.84	1.35	0.871	0.122	0.232	---	---	3.10	1970
1971	---	---	0.284	22.5	4.19	2.39	0.885	1.02	0.043	0.180	---	---	3.41	1971
1972	---	---	0.202	26.0	28.1	1.51	0.434	0.140	0.040	0.490	---	---	7.10	1972
1973	---	---	0.345	4.29	3.85	5.35	5.92	0.530	0.058	0.197	---	---	2.56	1973
1974	---	---	0.190	15.7	29.8	10.7	0.922	0.125	0.788	0.948	---	---	7.38	1974
1975	---	---	0.327	15.9	22.0	5.86	1.71	0.180	0.285	0.494	---	---	5.81	1975
1976	---	---	0.172	30.0	4.88	8.58	8.32	0.856	0.411	0.106	---	---	8.28	1976
1977	---	---	0.148	4.46	1.18	0.182	0.023	0.018	0.042	0.047	---	---	0.752	1977
1978	---	---	0.055	6.93	2.80	0.170	1.51	0.141	0.107	0.139	---	---	1.45	1978
1979	---	---	0.154	16.0	32.5	8.69	0.533	0.080	0.015	0.083	---	---	8.99	1979
1980	---	---	0.132	6.82	0.888	0.115	0.082	0.082	0.083	0.163	---	---	0.994	1980
1981	---	---	0.837	3.53	0.883	0.241	0.139	0.287	0.085	0.834	---	---	0.845	1981
1982	---	---	0.106	5.30	1.89	0.457	0.141	0.078	0.035	0.186	---	---	0.985	1982
1983	---	---	0.050	7.24	5.87	2.39	1.49	0.566	0.045	0.085	---	---	2.20	1983
1984	---	---	0.829	6.81	3.02	4.70	0.327	0.062	0.003	0.179	---	---	1.94	1984
1985	---	---	0.107	18.8	5.18	0.512	0.049	0.020	0.007	0.136	---	---	3.05	1985
1986	---	---	0.594	13.3	2.25	0.456	0.559	0.027	0.009	0.116	---	---	2.14	1986
MEAN	---	---	0.222	9.51	8.84	4.15	1.76	0.721	0.504	0.498	1.72	---	2.79	MEAN

LOCATION - LAT 51 56 23 N DRAINAGE AREA, 1 930 km²
LONG 102 32 49 W NATURAL FLOW

ASSINIBOINE RIVER AT STURGIS - STATION NO. 05MC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	3.06 B ON APR 16	0 ON APR 1 *	---	1944
1945	---	7.70 B ON APR 3	0 ON AUG 28	---	1945
1946	---	9.23 B ON MAR 31	---	---	1946
1947	---	10.2 ON MAY 3	---	---	1947
1948	---	44.2 B ON APR 25	---	---	1948
1949	---	6.88 ON JUN 8	---	---	1949
1950	---	19.3 ON AUG 7	---	---	1950
1951	---	32.3 ON MAY 2	0 B ON APR 1	---	1951
1952	---	33.7 ON APR 11	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	73.1 ON MAY 6	---	---	1955
1956	---	61.7 ON MAY 13	---	---	1956
1957	---	49.6 ON APR 27	0.028 ON AUG 6	83 400	1957
1958	2.83 AT 11 00 CST ON APR 3	2.83 ON APR 3	0 ON JUL 20	8 040	1958
1959	---	1.19 ON OCT 31	0 ON MAR 1	6 030	1959
1960	---	39.4 ON APR 19	0 E ON MAR 1	83 100	1960
1961	---	0.745 ON MAY 13	0 ON JUN 6	2 250	1961
1962	---	24.5 ON APR 22	0 ON MAR 1	18 500	1962
1963	15.6 AT 17 00 CST ON APR 10	11.8 ON APR 10	0 ON MAR 1	12 000	1963
1965	56.9 AT 06 00 CST ON JUN 7	56.6 ON JUN 7	0 E ON MAR 1	105 000	1965
1966	47.6 AT 05 00 CST ON APR 16	46.4 ON APR 16	0.085 ON SEP 27	101 000	1966
1967	29.7 A AT 23 00 CST ON MAY 3	29.2 A ON MAY 3	0 ON JUL 29	61 800	1967
1968	9.51 AT 00 45 CST ON APR 11	6.82 ON APR 11	0 ON JUN 25	12 200	1968
1969	---	29.4 B ON APR 14	0 ON SEP 20	26 000	1969
1970	30.9 AT 18 00 CST ON APR 29	30.5 ON APR 29	0.0228 ON MAR 1	85 700	1970
1971	81.0 AT 08 42 CST ON APR 18	78.7 ON APR 18	0 ON SEP 21	81 700	1971
1972	101 AT 20 32 CST ON APR 28 *	100 ON APR 28 *	0.028E ON OCT 4	150 000	1972
1973	11.8 AT 22 41 CST ON JUL 9	11.7 ON JUL 9	0.028E ON SEP 11	54 100	1973
1974	50.1 AT 00 13 CST ON MAY 26	49.6 ON MAY 26	0.074E ON AUG 22	156 000	1974
1975	89.7 AT 24 00 CST ON APR 30	89.4 ON APR 30	0.164 ON AUG 8	123 000	1975
1976	88.9 AT 01 21 CST ON APR 14	88.1 ON APR 14	0.028E ON SEP 25	133 000	1976
1977	15.0 AT 15 15 CST ON APR 13	13.5 ON APR 14	0.008E ON AUG 9	15 900	1977
1978	21.9 AT 12 47 CST ON APR 20	20.4 B ON APR 20	0.031 ON JUN 27	30 500	1978
1979	72.3 AT 11 43 CST ON APR 28	72.0 ON APR 28	0.010E ON SEP 12	148 000	1979
1980	23.4 AT 07 14 CST ON APR 15	22.6 ON APR 16	0.019E ON JUL 30	21 100	1980
1981	7.11 AT 21 20 CST ON APR 6	6.77 ON APR 6	0.040E ON SEP 25	17 800	1981
1982	13.1 B AT 12 00 CST ON APR 21	12.5 B ON APR 22	0.025 ON SEP 24	20 800	1982
1983	45.2 AT 04 56 CST ON APR 25	42.1 ON APR 25	0.006 ON SEP 26	46 700	1983
1984	12.2 B AT 01 13 CST ON APR 6	11.7 ON APR 8	0.001E ON AUG 30	41 100	1984
1985	39.8 AT 10 40 CST ON APR 23	39.5 ON APR 23	0.001E ON AUG 11	84 800	1985
1986	37.3 AT 02 15 CST ON APR 8	33.9 ON APR 8	0.004A ON AUG 17	45 300	1986
				59 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AVONLEA CREEK NEAR ROULEAU - STATION NO. 05JE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	2.75	0.039	0	0	---	---	---	---	---	---	---	1946
1947	---	---	0	5.59	0.340	0.184	---	---	---	---	---	---	---	1947
1948	---	---	0	7.73	2.61	0.181	---	---	---	---	---	---	---	1948
1949	---	---	0	1.13	0	0.018	---	---	---	---	---	---	---	1949
1950	---	---	0.018	4.48	0.801	0.048	---	---	---	---	---	---	---	1950
1951	---	---	0	3.02	2.32	0.038	---	---	---	---	---	---	---	1951
1952	---	---	0.088	5.41	0.074	0.068	---	---	---	---	---	---	---	1952
1953	---	---	0.484	0.211	0.546	10.4	---	---	---	---	---	---	---	1953
1969	---	---	0	9.10	1.21	0.031	0.339	0.053	0	0.407	---	---	1.37	1969
1970	---	---	0.088	4.85	7.88	1.10	0.198	0.004	0	0.154	---	---	1.78	1970
1971	---	---	0.612	5.87	0.486	0.204	0.853	0.077	0	0.178	---	---	1.10	1971
1972	---	---	4.14	0.585	2.42	0.323	0.140	0.124	0	0	---	---	0.874	1972
1973	---	---	0.011	0.017	0.050	0.057	0.011	0.001	0	0.020	---	---	0.021	1973
1974	---	---	0	17.3	4.47	0.513	0.187	1.40	0.015	0.030	---	---	2.96	1974
1975	---	---	0.033	11.0	4.48	0.582	0.131	0.063	0.013	0.013	---	---	2.03	1975
1976	---	---	6.32	11.7	0.296	0.780	0.595	0.091	0.004	0.333	---	---	2.50	1976
1977	---	---	0.013	0.034	0.080	0.087	0.045	0	0	0	---	---	0.034	1977
1978	---	---	1.75	1.38	0.287	0.060	0.123	0.040	0.008	0.014	---	---	0.458	1978
1979	---	---	0.885	8.42	5.08	0.252	0.841	0.017	0.001	0	---	---	1.87	1979
1980	---	---	0.112	0.583	0.026	0.055	0.031	0.030	0	0.002	---	---	0.104	1980
1981	---	0.036	0.003	0.002	0.005	0.033	0.186	0.071	0	0.003	---	---	0.038	1981
1982	---	---	0.044	10.1	0.851	0.416	4.52	0.053	0.006	0.002	---	---	1.88	1982
1983	---	0.186	0.385	7.47	0.812	0.082	0.076	0.019	0	0	---	---	1.09	1983
1984	---	---	0.017	0.059	0	0.048	0.058	0	0	0	---	---	0.023	1984
1985	---	---	1.03	0.080	0.026	0.078	0.175	0.076	0.022	0.005	---	---	0.188	1985
1986	---	0.078	1.42	0.004	0.892	0.071	0.053	0.043	0.006	0.001	---	---	0.315	1986
MEAN	---	0.093	0.713	4.21	1.28	0.566	0.454	0.120	0.004	0.085	---	---	1.05	MEAN

LOCATION - LAT 50 02 50 N, LONG 104 59 27 W
DRAINAGE AREA, 963 km^2
REGULATED

REMARKS - RECORDS COLLECTED IN SE05-14-22-W2, ABOUT 9.6 km DOWNSTREAM FOR THE PERIODS 1944-53 AND 1968-70

AVONLEA CREEK NEAR ROULEAU - STATION NO 05JE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON MAR 1 *	---	1944
1945	---	---	0 ON MAR 1	---	1945
1946	---	8.77 E ON MAR 19	0 ON MAR 1	---	1946
1947	---	13.7 ON APR 5	0 B ON MAR 1	---	1947
1948	---	25.9 ON APR 19	0 B ON MAR 1	---	1948
1949	---	5.80 ON APR 5	0 B ON MAR 1	---	1949
1950	---	26.6 ON APR 18	0 B ON MAR 1	---	1950
1951	---	9.26 ON MAY 1	0 B ON MAR 1	---	1951
1952	---	18.5 ON APR 4	0 B ON MAR 1	---	1952
1953	---	30.6 ON JUN 25	0 B ON MAR 1	---	1953
1969	---	28.3 ON APR 10	0 B ON MAR 1	29 100	1969
1970	---	30.9 ON MAY 6	0 B ON MAR 1	37 700	1970
1971	28.3 AT 01 30 CST ON APR 9	26.4 ON APR 9	0 B ON MAR 1	23 200	1971
1972	28.7 B AT 21 30 CST ON MAR 17	25.0 B ON MAR 17	0 B ON MAR 1	20 600	1972
1973	---	0.241 ON JUN 4	0 B ON MAR 1	445	1973
1974	54.4 AT 20 26 CST ON APR 19	51.3 ON APR 19	0 B ON MAR 1	82 800	1974
1975	38.8 AT 22 20 CST ON APR 21	37.8 ON APR 21	0 B ON MAR 1	43 000	1975
1976	35.7 AT 17 33 CST ON APR 2	35.1 ON APR 2	0 B ON MAR 1	52 800	1976
1977	2.42 AT 04 38 CST ON JUL 11	0.867 ON MAY 19	0 B ON MAR 1	708	1977
1978	14.9 B AT 22 55 CST ON MAR 28	13.6 B ON MAR 28	0 B ON MAR 1	9 720	1978
1979	35.2 AT 17 57 CST ON APR 20	34.4 ON APR 20	0 B ON MAR 1	39 600	1979
1980	2.43 AT 19 44 CST ON APR 4	1.91 ON APR 4	0 B ON MAR 1	2 190	1980
1981	---	0.485 ON JUL 25	0 ON APR 3	810	1981
1982	55.9 B AT 15 28 CST ON APR 15 *	51.9 B ON APR 15 *	0 B ON MAR 1	41 800	1982
1983	19.2 AT 21 33 CST ON APR 10	18.9 ON APR 11	0 ON JUN 17	23 000	1983
1984	0.894 AT 06 55 CST ON APR 23	0.584 ON APR 23	0 B ON MAR 1	479	1984
1985	5.74 B AT 13 41 CST ON MAR 19	5.02 B ON MAR 20	0.002 ON SEP 20	3 980	1985
1986	7.47 B AT 16 59 CST ON MAR 2	5.11 B ON MAR 2	0 ON AUG 27	6 670	1986
				22 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BADGER DITCH NEAR CONSUL - STATION NO 11AB026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0.006	0	0	0	0	0	---	---	0.001	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
MEAN	---	---	0	0	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 07 20 N
LONG 109 25 20 W
REGULATED

BADGER DITCH NEAR CONSUL - STATION NO 11AB026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	0 ON MAR 19 *	---	1920
1921	---	0 ON MAR 1	0 ON MAR 1	0	1921
1922	---	0.059 ON MAY 3 *	0 ON MAR 1	15.3	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
				1.7	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 05KF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	1.40	1.56	20.2	30.7	11.9	6.18	1.99	3.39	---	---	---	1967
1968	---	---	0.586	3.33	13.9	17.5	7.57	3.23	18.9	11.1	---	---	---	1968
1969	---	---	1.44	16.5	9.14	8.10	2.55	1.49	2.01	10.8	---	---	---	1969
1970	---	---	---	---	---	19.0	37.0	16.3	9.94	7.83	---	---	---	1970
1971	---	---	2.97	17.8	14.3	12.2	19.3	5.92	2.85	3.93	---	---	---	1971
1972	---	---	1.17	9.54	33.8	6.53	3.13	2.61	7.45	16.4	4.43	1.80	---	1972
1973	1.41	0.962	0.803	7.22	34.9	54.2	25.6	8.04	11.3	8.32	6.16	3.93	13.6	1973
1974	3.09	2.85	3.33	4.43	30.8	22.1	134	19.7	16.9	14.6	9.97	5.29	22.5	1974
1975	2.40	2.26	5.68	7.92	27.1	18.0	6.70	4.32	4.57	3.83	1.84	0.988	7.16	1975
1976	0.936	1.20	0.741	5.46	4.61	5.13	14.5	5.54	2.95	3.73	0.844	0.378	3.85	1976
1977	0.243	0.189	0.199	5.78	18.7	---	---	---	9.17	10.9	3.25	1.16	---	1977
1978	0.913	0.506	0.838	3.22	10.9	11.4	8.35	12.8	15.0	10.7	5.57	2.73	6.93	1978
1979	1.36	0.772	1.34	5.03	25.8	19.8	8.27	4.81	22.7	13.5	8.55	3.35	9.61	1979
1980	1.88	1.78	1.56	8.10	6.33	2.68	3.29	6.87	14.4	13.8	4.63	1.67	5.50	1980
1981	1.31	0.953	1.59	4.12	9.75	8.78	6.61	1.89	1.40	2.08	1.44	1.73	3.49	1981
1982	0.837	0.156	0.238	1.28	14.4	16.2	9.84	13.8	6.87	8.21	5.95	2.16	6.72	1982
1983	2.04	1.77	2.16	9.19	26.6	33.9	17.8	5.37	17.3	11.8	6.98	2.64	11.5	1983
1984	1.94	2.38	3.12	17.1	24.8	22.8	10.0	4.00	6.10	8.64	6.73	3.70	9.25	1984
1985	2.48	2.13	3.16	23.0	44.2	21.6	14.4	15.6	8.82	7.89	3.59	0.903	12.4	1985
1986	1.23	1.61	2.62	5.80	31.2	11.7	7.21	9.36	4.20	9.49	3.33	2.31	7.57	1986
MEAN	1.58	1.39	1.84	8.23	21.1	17.9	18.3	7.81	9.29	9.04	4.82	2.31	9.24	MEAN

LOCATION - LAT 54 33 40 N
LONG 103 56 30 W
DRAINAGE AREA, 1 870 km²
NATURAL FLOW

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 05KF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	
1968	---	---	---	---	1967
1969	---	---	---	---	1968
					1969
1970	127 AT 04 30 MST ON JUL 2	121 ON JUL 2	---	---	
1971	---	39.6E ON APR 23	---	---	1970
1972	---	79.9 ON MAY 1	---	---	1971
1973	158 AT 23 51 CST ON JUN 5	140 ON JUN 6	0.4458 ON MAR 18	428 000	1972
1974	1 840 A AT 22 00 CST ON JUL 11 *	1 170 A ON JUL 12 *	2.80 B ON FEB 5	711 000	1973
1975	---	34.0E ON MAY 4	0.9348 ON DEC 10	226 000	1974
1976	41.3 AT 08 28 CST ON JUL 16	41.1 ON JUL 16	0.3118 ON DEC 31	122 000	1975
1977	---	---	0.1738 ON MAR 5	---	1976
1978	27.2 AT 08 32 CST ON AUG 26	26.7 ON AUG 26	0.4028 ON FEB 8	219 000	1977
1979	51.0 AT 17 24 CST ON MAY 18	49.8 ON MAY 19	0.6598 ON FEB 19	303 000	1978
1980	27.0 AT 21 43 CST ON SEP 17	26.6 ON SEP 17	0.8188 ON DEC 23	174 000	1979
1981	16.3 AT 14 55 CST ON JUN 24	15.7 ON JUN 24	0.5108 ON FEB 14	110 000	1980
1982	33.6 AT 20 00 CST ON JUN 7	32.7 ON JUN 7	0.0748 ON FEB 4 *	212 000	1981
1983	80.7 AT 21 48 CST ON JUN 4	76.6 ON JUN 5	1.25 B ON DEC 24	362 000	1982
1984	48.6 AT 03:58 CST ON MAY 23	48.1 ON MAY 23	1.55 B ON JAN 14	293 000	1983
1985	93.9 AT 20 38 CST ON MAY 6	91.0 ON MAY 7	0.6088 ON DEC 3	392 000	1984
1986	67.4 AT 19:40 CST ON MAY 18	65.8 ON MAY 18	0.9058 ON JAN 1	239 000	1985
				292 000	1986
					MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BARRIER RIVER BELOW BARRIER LAKE - STATION NO. 05LA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	1.16	1.40	0.768	0.119	0.009	0.052	0.134	---	---	0.453	1977
1978	---	---	0	3.24	2.06	0.187	0.005	0.031	0.050	0.020	---	---	0.650	1978
1979	---	---	0	2.15	13.5	4.70	0.944	0.020	0.001	0.001	---	---	2.67	1979
1980	---	---	0.020	2.08	1.56	0.026	0	0.006	0.002	0	---	---	0.459	1980
1981	---	---	0.009	0.469	0.953	0.002	0.011	0.006	0.003	0.018	---	---	0.184	1981
1982	---	---	0.055	2.09	1.62	1.09	0.027	0.007	0	0	---	---	0.805	1982
1983	---	---	0.118	1.12	2.39	0.402	0.898	0.199	0.063	0.027	---	---	0.653	1983
1984	---	---	0.107	1.71	2.51	3.83	0.708	0.011	0.001	0.021	---	---	1.10	1984
1985	---	---	0.148	10.3	8.08	1.84	0.441	0.075	0.058	0.047	---	---	2.82	1985
1986	---	---	0.098	4.93	1.73	0.090	0.023	0.038	0	0	---	---	0.853	1986
MEAN	---	---	0.056	2.92	3.58	1.30	0.318	0.040	0.023	0.027	---	---	1.03	MEAN

LOCATION - LAT 52 32 56 N
LONG 103 41 10 W
DRAINAGE AREA, 1 340 km²

BARRIER RIVER BELOW BARRIER LAKE · STATION NO 05LA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	2 29 ON APR 22	0 B ON MAR 1 *	9 590	1977
1978	8 50 AT 14 26 CST ON APR 24	8 44 ON APR 24	0 B ON MAR 1	14 800	1978
1979	26 7 AT 20 14 CST ON MAY 2	26 5 ON MAY 2	0 B ON MAR 1	22 800	1979
1980	5 298 AT 07 26 CST ON APR 26	5 22 ON APR 25	0 ON JUN 26	9 720	1980
1981	2 09 AT 22 51 CST ON MAY 2	2 03 ON MAY 3	0 B ON MAR 1	3 900	1981
1982	5 58 AT 17 38 CST ON APR 24	5 39 ON APR 24	0 ON AUG 16	12 400	1982
1983	4 43 AT 18 16 CST ON APR 26	4 29 ON APR 27	0 002 ON JUN 24	13 800	1983
1984	5 80 AT 16 23 CST ON JUN 10	5 65 ON JUN 10	0 ON AUG 11	23 400	1984
1985	27 4 AT 02 24 CST ON APR 24 *	27 1 ON APR 24 *	0 015 ON SEP 13	55 500	1985
1986	9 55 AT 10 17 CST ON APR 11	5 38 ON APR 11	0 ON SEP 1	18 100	1986
				21 800	MEAN

B · ICE CONDITIONS * · EXTREME RECORDED FOR THE PERIOD OF RECORD

BARRIER RIVER NEAR MCKAGUE · STATION NO 05LA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	1 72	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	1 80	1 88	---	---	---	---	---	---	---	---	1965
1966	---	---	---	2 62	2 84	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	1 67	---	---	---	---	---	---	---	1967
1968	---	---	---	2 45	---	---	---	---	---	---	---	---	---	1968
1971	---	---	---	1 08	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	2 60	4 76	2 55	0 761	---	---	---	---	---	1973
1974	---	---	---	---	6 94	---	1 05	---	---	---	---	---	---	1974
1975	---	---	0	2 16	7 71	2 93	0 953	0 044	0	0	---	---	1 73	1975
1976	---	---	0 113	3 88	2 01	1 61	1 50	0 421	0 054	0	---	---	1 19	1976
MEAN	---	---	0 057	2 24	4 00	2 74	1 51	0 409	0 027	0	---	---	1 46	MEAN

LOCATION · LAT 52 34 17 N LONG 104 01 45 W DRAINAGE AREA 1 080 km^2 NATURAL FLOW

BARRIER RIVER NEAR MCKAGUE · STATION NO 05LA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	16 6 ON MAY 1 *	08 ON MAR 1 *	36 500	1975
1976	---	8 16 ON APR 13	0 ON SEP 29	25 100	1976
				30 800	MEAN

B · ICE CONDITIONS * · EXTREME RECORDED FOR THE PERIOD OF RECORD

BARRIER RIVER OVERFLOW · STATION NO 05LA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0 595	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	2 29	0 797	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	---	0	0 007	---	---	---	---	---	---	1973
1974	---	---	---	---	2 24	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1 84	1 75	0 044	0	0	0	0	---	---	0 452	1975
1976	---	---	0	2 11	0 009	0 031	0 005	0 001	0	0	---	---	0 264	1976
1977	---	---	0	0 278	0 215	0 075	0	0	0	0	---	---	0 071	1977
1978	---	---	0	0 850	0 060	0	0	0	0	0	---	---	0 112	1978
1979	---	---	0	4 04	3 53	0 303	0	0	0	0	---	---	0 978	1979
MEAN	---	---	0	1 71	1 23	0 076	0 002	0	0	0	---	---	0 375	MEAN

LOCATION · LAT 52 37 53 N LONG 104 31 29 W NATURAL FLOW

BARRIER RIVER OVERFLOW - STATION NO 05LA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	11.9 ON APR 30	0E ON MAR 1 *	9 880	1975
1976	---	8.92 ON APR 9	0E ON MAR 1	5 590	1976
1977	---	1 618 ON APR 9	0E ON MAR 1	1 490	1977
1978	---	3 238 ON APR 10	0E ON MAR 1	2 360	1978
1979	---	15.4 ON APR 28 *	0E ON MAR 1	20 700	1979
				7 940	MEAN

E - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BARROBY DITCH NEAR RAVENSCRAG - STATION NO 11AC032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1922	---	---	---	---	---	---	---	---	---	---	---	---	---	1922
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 30 40 N
LONG 105 02 20 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-24

BARROBY DITCH NEAR RAVENSCRAG - STATION NO 11AC032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
1922	---	---	0 ON JUN 22	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

BATE CREEK AT BATE'S RANCH - STATION NO 11AC024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.010	0.008	0.001	0.001	0.005	0.005	---	---	---	1914
1915	---	---	---	0.023	0.009	0.010	0.008	0.003	0.007	0.008	---	---	---	1915
1916	---	---	---	0.032	0.026	0.019	0.187	0.004	0.007	0.015	---	---	---	1916
MEAN	---	---	---	0.028	0.015	0.012	0.059	0.003	0.006	0.010	---	---	---	MEAN

LOCATION - LAT 49 27 10 N DRAINAGE AREA, 22.0 km^2
LONG 108 08 50 W REGULATED

BATE SOUTH DITCH - STATION NO 11AC034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1921
1922	---	---	0	0	0	0.001	0.001	0.001	0.001	0	---	---	0.001	1922
1923	---	---	0	0	0.001	0	0.001	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0.002	0.002	0.001	0	---	---	0.001	1924
1925	---	---	0	0	0	0	0.001	0.001	0.001	0	---	---	0	1925
1926	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1927
1928	---	---	0	0	0.001	0	0	0.001	0.001	0	---	---	0	1928
1929	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0.002	0.004	0	0	---	---	0.001	1930
MEAN	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	MEAN

LOCATION - LAT 49 27 00 N
LONG 108 09 00 W REGULATED

BATE SOUTH DITCH - STATION NO 11AC034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	0.001 ON MAY 23	0 ON MAR 1 *	3.72	1918
1919	---	0.001 ON JUN 22	0 ON MAR 1	3.90	1919
1920	---	0.001 ON JUN 4	0 ON MAR 1	3.37	1920
1921	---	0.001 ON JUL 31	0 ON MAR 1	3.33	1921
1922	---	0.001 ON JUN 1	0 ON MAR 1	11.5	1922
1923	---	0.008E ON MAY 24 *	0 ON MAR 1	5.94	1923
1924	---	0.008E ON JUL 20	0 ON MAR 1	13.0	1924
1925	---	0.001E ON JUN 25	0 ON MAR 1	7.18	1925
1926	---	0.001E ON JUL 1	0 ON MAR 1	5.35	1926
1927	---	0.001 ON JUL 26	0 ON MAR 1	3.37	1927
1928	---	0.001E ON MAY 7	0 ON MAR 1	5.44	1928
1929	---	0.001E ON JUL 1	0 ON MAR 1	5.35	1929
1930	---	0.005 ON JUL 18	0 ON MAR 1	16.0	1930
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6.85	MEAN

BATTLE CREEK ABOVE CYPRESS LAKE WEST INFLOW CANAL - STATION NO 11AB076

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	1.83	1.42	0.645	0.784	0.229	0.013	0.004	0.035	---	---	0.820	1939
1940	---	---	0.105	5.22	1.61	0.775	0.411	0.118	0.042	0.184	---	---	1.17	1940
1941	---	---	2.14	1.14	0.382	0.518	0.851	0.035	0.026	0.115	---	---	0.852	1941
1942	---	---	0.325	2.87	0.773	3.23	1.00	0.436	0.305	0.332	---	---	1.15	1942
1943	---	---	3.27	3.87	0.606	0.737	0.186	0.024	0.062	0.019	---	---	1.09	1943
1944	---	---	0.398	1.87	0.303	0.238	0.029	0.001	0.002	0.086	---	---	0.237	1944
1945	---	---	1.02	0.826	0.340	0.048	0.085	0	0.001	0.089	---	---	0.393	1945
1946	---	---	1.44	1.03	0.361	0.239	0.046	0.002	0.026	0.272	---	---	0.426	1946
1947	---	---	0.136	2.56	0.989	0.472	0.178	0.079	0.136	0.204	---	---	0.590	1947
1948	---	---	0.006	4.86	2.44	0.841	0.184	0.041	0.011	0.036	---	---	1.02	1948
1949	---	---	0.110	0.984	0.301	0.071	0.029	0.009	0	0.024	---	---	0.177	1949
1950	---	---	0.033	3.10	0.814	0.180	0.081	0.122	0.081	0.107	---	---	0.528	1950
1951	---	---	0.062	4.47	3.91	1.19	0.520	0.241	0.631	0.587	---	---	1.44	1951
1952	---	---	0.238	19.6	2.72	0.708	0.477	0.181	0.178	0.245	---	---	2.90	1952
1953	---	---	0.477	1.79	5.30	7.00	1.02	0.469	0.383	0.470	---	---	3.10	1953
1954	---	---	0.830	2.89	2.51	1.94	0.861	0.895	0.764	1.02	---	---	1.42	1954
1955	---	---	0.868	11.0	8.68	2.39	3.13	0.895	0.612	0.834	---	---	3.85	1955
1956	---	---	0.778	2.57	1.83	0.768	0.828	0.445	0.389	0.535	---	---	1.02	1956
1957	---	---	0.418	3.93	3.08	0.727	0.293	0.231	0.180	0.302	---	---	1.14	1957
1958	---	---	0.575	4.24	0.891	0.267	0.464	0.035	0.068	0.183	---	---	0.796	1958
1959	---	---	0.488	3.13	1.02	0.887	0.424	0.019	0.170	0.317	---	---	0.781	1959
1960	---	---	3.22	1.89	2.09	0.855	0.182	0.087	0.084	0.108	---	---	1.03	1960
1961	---	---	0.483	0.247	0.278	0.152	0.023	0.001	0.003	0.053	---	---	0.151	1961
1962	---	---	0.227	0.772	0.340	0.213	0.202	0.032	0.051	0.137	---	---	0.233	1962
1963	---	---	0.826	1.03	0.390	0.288	0.758	0.109	0.038	0.078	---	---	0.437	1963
1964	---	---	0.184	0.470	2.39	0.814	0.304	0.041	0.322	0.254	---	---	0.582	1964
1965	---	---	0.256	7.67	2.82	3.88	2.39	0.371	1.12	0.731	---	---	2.34	1965
1966	---	---	3.40	3.40	1.90	1.13	0.539	0.421	0.341	0.443	---	---	1.45	1966
MEAN	---	---	0.853	3.57	1.75	1.07	0.545	0.189	0.220	0.278	---	---	1.05	MEAN

LOCATION - LAT 49 25 44 N, LONG 109 41 02 W DRAINAGE AREA 958 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

BATTLE CREEK ABOVE CYPRESS LAKE WEST INFLOW CANAL - STATION NO 11438096

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	6.85 B ON MAR 22	0 ON AUG 18 *	13 100	1939
1940	41.3 AT 10:00 MST ON APR 23	33.1 ON APR 23	0.014 ON SEP 3	24 700	1940
1941	10.7 AT 01:30 MST ON JUL 1	9.26 ON JUL 1	0.008 ON SEP 6	13 800	1941
1942	---	19.8 E ON JUN 26	0.181 ON SEP 15	24 300	1942
1943	---	23.1 B ON MAR 30	0.008 ON AUG 31	23 000	1943
1944	---	4.42 B ON APR 5	0 ON JUL 29	7 150	1944
1945	9.74 AT 16:00 MST ON MAR 26	6.09 ON MAR 26	0 ON JUN 16	6 210	1945
1946	16.2 AT 13:00 MST ON MAR 29	11.8 ON MAR 29	0 ON AUG 15	9 020	1946
1947	12.7 B AT 14:00 MST ON APR 14	10.5 B ON APR 14	0 B ON MAR 1	12 500	1947
1948	23.1 AT 22:00 MST ON APR 24	19.8 ON APR 24	0 B ON MAR 1	21 500	1948
1949	3.00 AT 06:00 MST ON APR 10	1.51 B ON APR 8	0 B ON MAR 1	3 740	1949
1950	16.7 AT 15:30 MST ON APR 22	13.6 ON APR 22	0.014 ON SEP 6	11 200	1950
1951	27.3 AT 19:30 MST ON APR 29	25.3 ON APR 29	0.0288 ON MAR 1	30 500	1951
1952	---	78.0 E ON APR 14 *	0.034 ON AUG 29	53 200	1952
1953	86.6 AT 11:30 MST ON JUN 5 *	47.0 ON JUN 5	0.280 ON AUG 31	44 600	1953
1954	10.6 AT 06:30 MST ON MAY 8	7.78 ON MAY 8	0.210 ON AUG 1	30 000	1954
1955	36.2 B AT 14:30 MST ON APR 11	27.6 B ON APR 11	0.2838 ON APR 4	75 100	1955
1956	5.648 AT 12:00 MST ON APR 16	4.33 B ON APR 16	0.235 ON SEP 19	21 800	1956
1957	30.7 AT 17:00 MST ON MAY 2	18.4 ON MAY 1	0.113 ON JUL 27	24 100	1957
1958	13.5 B AT 10:00 MST ON APR 1	11.0 ON APR 8	0.011 ON AUG 17	16 800	1958
1959	8.64 AT 07:00 MST ON APR 15	6.91 ON APR 15	0 ON AUG 5	15 100	1959
1960	16.6 B AT 22:30 MST ON MAR 20	12.2 B ON MAR 21	0.060 ON SEP 6	31 800	1960
1961	1.87 AT 02:00 MST ON MAR 21	0.934 ON MAR 31	0 ON AUG 8	3 200	1961
1962	---	2.10 B ON APR 7	0.008 ON AUG 21	4 830	1962
1963	---	7.15 B ON MAR 30	0.033 ON SEP 8	9 250	1963
1964	13.0 AT 07:00 MST ON MAY 9	8.20 ON MAY 9	0.033 ON AUG 18	13 300	1964
1965	38.5 AT 21:00 MST ON APR 25	31.1 ON APR 27	0.2048 ON APR 5	49 800	1965
1966	22.4 AT 21:00 MST ON APR 1	20.3 ON APR 1	0.176 ON AUG 16	30 800	1966
				33 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK ABOVE CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO 11438100

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	1.55	0.514	0.303	0.008	0.301	0.200	---	---	---	1964
1965	---	---	---	---	1.82	1.86	0.894	0.383	0.402	0.609	---	---	---	1965
1966	---	---	---	---	0.936	0.884	0.416	0.369	0.283	0.539	---	---	---	1966
1967	---	---	0.361	0.595	13.8	1.85	0.452	0.028	0.334	0.439	---	---	2.27	1967
1968	---	---	0.876	1.11	1.03	0.610	0.355	0.162	0.295	0.516	---	---	0.618	1968
1969	---	---	0.359	0.351	1.12	0.394	0.203	0.067	0.038	0.218	---	---	0.352	1969
1970	---	---	0.363	0.702	6.78	1.09	0.779	0.175	0.213	0.301	---	---	1.06	1970
1971	---	---	0.280	1.14	1.92	0.483	0.619	0.079	0.130	0.302	---	---	0.631	1971
1972	---	---	1.06	0.683	0.432	0.184	0.236	0.168	0.187	0.307	---	---	0.606	1972
1973	---	---	0.598	0.835	0.259	0.185	0.172	0.082	0.074	0.140	---	---	0.396	1973
1974	---	---	0.183	0.207	0.884	0.278	0.185	0.180	0.132	0.221	---	---	0.271	1974
1975	---	---	0.281	0.338	1.48	1.94	0.722	0.485	0.262	0.280	---	---	0.743	1975
1976	---	---	0.780	0.870	0.405	0.257	0.233	0.234	0.134	0.278	---	---	0.385	1976
1977	---	---	0.254	0.436	0.163	0.128	0.127	0.035	0.062	0.147	---	---	0.181	1977
1978	---	---	0.201	0.087	0.338	0.461	0.178	0.158	0.393	0.230	---	---	0.254	1978
1979	---	---	0.493	0.803	1.53	0.488	0.268	0.146	0.187	0.291	---	---	0.521	1979
1980	---	---	0.348	0.696	0.151	0.271	0.172	---	---	---	---	---	---	1980
MEAN	---	---	0.488	0.802	1.91	0.708	0.354	0.170	0.333	0.349	---	---	0.512	MEAN

LOCATION - LAT 48 27 53 N DRAINAGE AREA, 765 km^2
LONG 109 35 04 W REGULATED

BATTLE CREEK ABOVE CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO 11438100

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	98.0 AT 07:00 MST ON MAY 15 *	77.9 ON MAY 15 *	0.014 ON AUG 16	47 800	1967
1968	3.68 AT 08:30 MST ON MAY 6	3.59 ON MAY 7	0.0118 ON MAR 3	13 100	1968
1969	3.08 AT 09:14 MST ON MAY 21	1.88 ON MAY 21	0 ON AUG 25 *	7 450	1969
1970	19.1 AT 22:05 MST ON MAY 6	17.2 ON MAY 7	0.074 ON AUG 21	22 300	1970
1971	5.06 AT 20:33 CST ON APR 27	5.21 ON APR 28	0.064 ON AUG 20	13 400	1971
1972	5.218 AT 10:35 CST ON MAR 16	3.888 ON MAR 16	0 ON SEP 10	6 550	1972
1973	3.71 AT 04:10 CST ON APR 21	1.28 ON APR 21	0.021 ON MAY 2	5 820	1973
1974	2.85 AT 16:06 CST ON MAY 29	1.69 ON MAY 23	0.020 ON AUG 11	5 730	1974
1975	8.20 AT 19:23 CST ON JUN 20	3.51 ON JUN 25	0.010 ON SEP 11	15 700	1975
1976	9.288 AT 11:38 CST ON MAR 19	6.578 ON MAR 19	0.022 ON JUN 16	6 180	1976
1977	4.80 AT 10:14 CST ON APR 8	3.82 ON APR 9	0.005 ON AUG 19	3 840	1977
1978	2.108 AT 16:31 CST ON APR 2	1.36 ON SEP 12	0.0158 ON APR 7	5 380	1978
1979	7.358 AT 01:47 CST ON APR 30	5.318 ON APR 24	0.0258 ON APR 14	11 000	1979
1980	---	1.92 ON APR 14	---	---	1980
				12 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK ABOVE GAFF DITCH - STATION NO. 11AB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	3.82	1.04	0.357	0.221	0.320	---	---	---	1909
1910	---	---	---	1.19	0.802	0.184	0.057	0.080	0.250	0.237	0.311	---	---	1910
1911	---	---	---	---	1.44	0.897	0.542	0.387	2.43	1.04	---	---	---	1911
1912	---	---	---	7.30	2.48	1.23	0.881	0.502	0.556	0.888	---	---	---	1912
1913	---	---	---	6.02	1.69	0.702	0.489	0.250	0.171	0.322	---	---	---	1913
1914	---	---	---	3.19	0.982	0.545	0.076	0.051	0.268	0.744	---	---	---	1914
1915	---	---	---	3.10	1.12	2.33	1.28	0.768	0.847	1.10	---	---	---	1915
1916	---	---	---	1.93	3.88	5.77	2.18	1.46	1.21	1.50	---	---	---	1916
1917	---	---	---	---	10.6	2.07	0.743	0.485	0.880	0.809	---	---	---	1917
1918	---	---	---	6.19	1.84	0.589	0.201	0.207	0.209	0.330	---	---	---	1918
1919	---	---	---	3.30	0.849	0.278	0.071	0.051	0.089	0.202	---	---	---	1919
1920	---	---	0.207	2.14	6.57	0.895	0.287	0.075	0.092	0.212	---	---	1.20	1920
1921	---	---	0.941	5.07	2.32	0.668	0.275	0.108	0.234	0.391	---	---	1.20	1921
1922	---	---	0.227	6.63	3.78	0.787	0.417	0.189	0.174	0.211	---	---	1.79	1922
1923	---	---	0.316	1.70	0.932	1.94	1.03	0.451	0.147	0.226	---	---	0.849	1923
1924	---	---	0.337	2.06	0.883	0.826	0.222	0.113	0.083	0.271	---	---	0.596	1924
1925	---	---	1.81	6.23	1.41	0.702	0.126	0.097	0.180	0.385	---	---	1.33	1925
1926	---	---	1.90	2.24	0.536	0.235	0.462	0.061	0.178	0.215	---	---	0.727	1926
1927	---	---	0.294	8.25	9.27	3.32	1.25	0.588	0.517	0.813	---	---	3.04	1927
1928	---	---	3.01	3.73	1.51	2.20	1.29	0.532	0.416	0.621	---	---	1.94	1928
1929	---	---	0.652	6.85	2.82	1.80	0.460	0.107	0.270	0.338	---	---	1.35	1929
1930	---	---	0.871	2.76	1.25	0.866	0.234	0.105	0.338	0.432	---	---	0.915	1930
1931	---	---	0.326	0.701	0.459	0.202	0.282	0.159	0.378	0.532	---	---	0.408	1931
1932	---	---	---	1.78	1.03	0.578	0.318	0.182	0.321	0.289	---	---	---	1932
1935	---	---	---	---	---	---	---	---	0.031	0.055	---	---	---	1935
1936	---	---	0.189	3.03	0.810	0.183	---	---	---	---	---	---	---	1936
1972	---	---	---	---	---	0.820	0.289	0.127	0.144	0.302	---	---	---	1972
1973	---	---	---	0.881	0.714	0.579	0.137	0.080	0.084	0.182	---	---	---	1973
1974	---	---	---	---	3.26	0.856	0.297	0.178	0.146	0.217	---	---	---	1974
1975	---	---	---	---	---	2.40	0.804	0.819	0.509	0.609	---	---	---	1975
1976	---	---	---	---	0.840	0.922	0.319	0.220	0.120	0.244	---	---	---	1976
MEAN	---	---	0.801	3.52	2.34	1.26	0.545	0.285	0.386	0.463	0.311	---	1.25	MEAN

LOCATION - LAT 49 28 53 N   DRAINAGE AREA, 520 km²
LONG 109 50 44 W   REGULATED

BATTLE CREEK ABOVE GAFF DITCH - STATION NO. 11AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	21.7 ON APR 11	---	---	1912
1913	---	20.8 ON APR 14	---	---	1913
1914	---	12.2 ON APR 14	---	---	1914
1915	---	16.6 ON APR 4	---	---	1915
1916	---	27.8 ON MAY 31	---	---	1916
1917	---	34.3 ON MAY 9	---	---	1917
1918	---	23.2 B ON MAR 27	---	---	1918
1919	---	2.21 B ON APR 3	---	---	1919
1920	---	27.5 ON MAY 9	0.051 ON AUG 25	25 300	1920
1921	---	14.7 ON APR 15	0.022 ON AUG 29 *	25 400	1921
1922	---	29.2 ON APR 23	0.057 B ON MAR 1	38 000	1922
1923	---	9.29 ON JUN 22	0.113 ON SEP 10	18 000	1923
1924	---	9.03 B ON APR 7	0.025 ON SEP 4	12 600	1924
1925	---	19.1 ON APR 6	0.054 ON AUG 13	28 100	1925
1926	---	13.7 ON APR 12	0.040 ON JUL 29	15 400	1926
1927	---	47.3 ON APR 27 *	0.195 B ON MAR 1	64 300	1927
1928	---	17.6 B ON MAR 23	0.255 B ON MAR 1	32 500	1928
1929	---	26.2 ON APR 23	0.068 ON AUG 28	28 700	1929
1930	---	10.1 ON APR 7	0.054 ON AUG 10	19 400	1930
1931	---	1.98 ON MAR 21	0.102 ON JUL 30	8 570	1931
1932	---	3.06 ON APR 24	---	---	1932
1935	---	---	---	---	1935
1936	---	5.88 B ON APR 11	---	---	1936
1972	---	---	---	---	1972
1973	2.88 AT 08:10 CST ON JUN 20	2.50 ON JUN 20	---	---	1973
1974	8.56 AT 19:55 CST ON MAY 28	7.48 ON MAY 28	0.057 ON AUG 3	---	1974
1975	---	---	---	---	1975
1976	13.0 A AT 22:30 CST ON APR 6 *	6.41 ON APR 7	0.078 ON SEP 4	---	1976
MEAN				25 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.085	0.425	2.75	1.10	0.441	0.348	0.314	0.338	---	---	0.728	1975
1976	---	---	0.301	1.51	0.242	0.399	0.178	0.175	0.061	0.074	---	---	0.384	1976
1977	---	---	0.239	0.590	0.266	0.078	0.054	0.048	0.043	0.063	---	---	0.172	1977
1978	---	---	0.054	0.785	0.416	0.186	0.160	0.132	0.272	0.218	---	---	0.278	1978
1979	---	---	0.265	1.80	1.13	0.380	0.266	0.158	0.118	0.183	---	---	0.507	1979
1980	---	---	0.172	0.682	0.135	0.150	0.082	0.082	0.087	0.119	---	---	0.187	1980
1981	---	---	0.182	0.304	0.293	0.418	0.141	0.075	0.044	0.083	---	---	0.192	1981
1982	---	---	0.099	1.05	0.740	1.75	0.526	0.113	0.131	0.303	---	---	0.589	1982
1983	---	---	0.583	0.784	0.848	0.328	0.425	0.093	0.089	0.214	---	---	0.418	1983
1984	---	---	0.183	0.473	0.283	0.072	0.048	0.101	0.076	0.084	---	---	0.162	1984
1985	---	---	0.098	2.74	0.995	0.268	0.103	0.171	0.245	0.299	---	---	0.809	1985
1986	---	0.488	0.608	0.314	0.949	0.482	0.234	0.183	0.744	0.445	---	---	0.495	1986
MEAN	---	0.488	0.241	0.936	0.754	0.471	0.222	0.140	0.185	0.199	---	---	0.392	MEAN

LOCATION - LAT 49 38 55 N
LONG 110 00 15 W

DRAINAGE AREA, 111 km²
REGULATED

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	25.3 AT 21 59 CST ON MAY 7	14.8 ON MAY 8	0.0578 ON MAR 11	15 400	1975
1976	14.8 AT 01 36 CST ON APR 1	7.65 ON APR 5	0.040 ON AUG 2	7 700	1976
1977	8.00 B AT 22 04 CST ON APR 9	3.65 B ON APR 8	0.022 ON AUG 1	3 640	1977
1978	11.0 AT 01 40 CST ON APR 27	5.45 ON APR 27	0.0208 ON MAR 1	5 870	1978
1979	39.4 E AT 20 55 CST ON APR 17	19.8 B ON APR 17 *	0.087 ON AUG 21	10 700	1979
1980	7.77 B AT 01 00 CST ON APR 14	3.46 B ON APR 14	0.039 ON AUG 1	3 950	1980
1981	5.81 AT 18 53 CST ON JUN 14	3.29 ON JUN 14	0.008 ON JUL 5	4 080	1981
1982	23.0 AT 00 28 CST ON APR 24	10.7 ON APR 24	0.043 ON SEP 23	12 500	1982
1983	6.47 B AT 02 41 CST ON MAR 12	3.90 B ON MAR 12	0.010 ON AUG 31	8 450	1983
1984	0.7698 AT 18 09 CST ON APR 10	0.7498 ON APR 10	0.002 ON JUL 21 *	3 430	1984
1985	45.4 AT 22 08 CST ON APR 28 *	19.6 A ON APR 13	0.030 ON AUG 28	13 900	1985
1986	---	4.95 ON SEP 25	0.151 ON AUG 27	10 500	1986
				8 290	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AB027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	23 6	11 9	2 82	0 733	0 143	0 548	0 626	0 717	---	---	1917
1918	---	---	---	15 7	2 21	0 440	0 007	0 021	0 021	0 264	0 321	0 163	---	1918
1919	0 044	0 079	0 078	1 83	0 576	0 122	0	0	0	0	0	0	0 322	1919
1920	0	0	0 249	4 89	5 77	1 01	0 299	0 001	0	0 018	---	---	1 82	1920
1921	---	---	0 849	5 24	2 13	0 455	0 340	0 008	0 024	0 142	---	---	1 14	1921
1922	---	---	0 950	14 5	7 80	1 16	0 372	0 136	0 105	0 135	---	---	3 11	1922
1923	---	---	0 290	2 85	0 722	1 55	1 67	0 579	0 095	0 145	---	---	0 982	1923
1924	---	---	0 019	2 83	0 721	0 951	0 218	0 013	0	0 034	---	---	0 552	1924
1925	---	---	4 96	12 6	1 47	0 877	0 102	0	0 034	0 284	---	---	2 52	1925
1926	---	---	---	1 76	0 277	0 085	0 242	0 003	0 013	0 033	---	---	---	1926
1927	---	---	0 414	19 0	15 2	7 40	1 85	0 882	0 588	0 815	---	---	5 71	1927
1928	---	---	5 77	10 8	1 75	1 28	0 485	0 275	0 741	---	---	2 85	1928
1929	---	---	0 480	4 94	3 31	1 87	0 428	0 004	0	0 284	---	---	1 38	1929
1930	---	---	4 77	7 85	1 11	0 412	0 230	0 022	0 019	0 339	---	---	1 83	1930
1931	---	---	0 532	0 588	0 039	0 001	0	0	0	0	---	---	0 142	1931
1932	---	---	0 893	2 46	1 03	0 784	0 154	0	0 006	0 217	---	---	0 885	1932
1933	---	---	0 851	3 08	2 24	0 358	0 259	0	0	0	---	---	0 842	1933
1934	---	---	2 82	2 31	0 185	0 351	0 019	0	0	0	---	---	0 706	1934
1935	---	---	2 54	4 70	1 82	0 288	0 264	0 001	0	0	0	0	1 17	1935
1936	0	0	0	5 57	0 821	0 027	0	0	0	0	0	0	0 886	1936
1937	0	0	0 071	3 24	0 022	0	0	0	0	0	---	---	0 286	1937
1938	---	---	1 24	1 43	0 856	0 753	0 297	0	0	0	---	---	0 546	1938
1939	---	---	4 35	0 345	0 071	0 884	0 274	0	0	0	---	---	0 705	1939
1940	---	---	0	10 6	1 08	0 483	0 039	0 174	0	0	---	---	1 52	1940
1941	---	---	5 79	0 388	0 315	0 484	0 810	0 001	0 027	0 023	---	---	0 985	1941
1942	---	---	0 266	0 829	0 247	2 16	1 12	0 380	0 137	0 237	---	---	0 638	1942
1943	---	---	5 37	3 37	0 799	0 852	0 133	0 157	0 007	0 084	---	---	1 32	1943
1944	---	---	0 732	0 431	0 255	0 139	0 972	0 817	0 187	0 044	---	---	0 447	1944
1945	---	---	2 35	0 528	0 391	0 407	0 176	0	0	0	---	---	0 471	1945
1946	---	---	1 82	0 635	0 244	0 219	0 128	0 100	0 001	0	---	---	0 405	1946
1947	---	---	1 02	0 884	0 780	0 288	0 088	0 173	0	0	---	---	0 402	1947
1948	---	---	0 131	1 95	0 841	0 403	0 207	0 131	0	0 026	---	---	0 457	1948
1949	---	---	0 018	0 130	0 270	0 301	0 098	0	0	0	---	---	0 102	1949
1950	---	---	0	4 74	0 085	0 035	0 015	0 051	0	0	---	---	0 501	1950
1951	---	---	0	2 05	3 53	0 711	0 353	0 102	0 537	0 451	---	---	0 955	1951
1952	---	---	0 037	43 2	4 21	0 711	0 420	0 125	0 218	0 209	---	---	5 03	1952
1953	---	---	0 383	0 520	3 15	1 80	1 16	0 588	0 253	0 394	---	---	1 84	1953
1954	---	---	0 598	4 42	1 58	1 81	0 578	0 995	0 886	1 03	---	---	1 48	1954
1955	---	---	0 853	19 5	11 7	2 70	1 06	0 882	1 01	---	---	---	5 86	1955
1956	---	---	1 88	2 57	1 70	0 781	0 870	0 843	0 441	0 432	---	---	1 18	1956
1957	---	---	0 487	3 31	2 80	0 743	0 820	0 315	0 193	0 465	---	---	1 09	1957
1958	---	---	2 67	4 84	0 867	0 569	0 509	0 159	0 001	0 065	---	---	1 18	1958
1959	---	---	1 74	0 898	1 27	0 533	0 785	0 081	0 020	0 389	---	---	0 893	1959
1960	---	---	3 85	1 20	1 04	0 480	0 467	0 217	0 010	0 005	---	---	0 914	1960
1961	---	---	1 25	0 169	0 277	0 333	0	0 088	0	0	---	---	0 284	1961
1962	---	---	0 938	0 625	0 332	0 241	0 133	0 002	0	0	---	---	0 284	1962
1963	---	---	0 169	1 08	0 205	0 229	0 478	0 002	0	0	---	---	0 268	1963
1964	---	---	0 028	0 893	1 32	0 303	0 138	0	0	0 045	---	---	0 315	1964
1965	---	---	0	4 15	2 78	2 91	1 87	0 432	0 888	0 488	---	---	1 80	1965
1966	---	---	3 27	3 02	0 820	0 888	0 415	0 415	0 217	0 380	---	---	1 17	1966
1967	---	---	1 23	6 04	14 9	3 16	0 389	0 268	0 172	0 334	---	---	3 19	1967
1968	---	---	0 985	0 953	0 729	0 586	0 516	0 272	0 243	0 484	---	---	0 594	1968
1969	---	---	0 201	6 14	0 880	0 336	0 261	0 231	0	0 084	---	---	1 02	1969
1970	---	---	0 237	1 34	4 43	1 25	0 828	0 309	0 022	0 177	---	---	1 07	1970
1971	---	---	0 261	2 43	1 53	0 784	0 384	0 313	0	0 179	---	---	0 729	1971
1972	---	---	1 74	0 750	0 845	2 33	0 352	0 420	0 022	0 287	---	---	0 813	1972
1973	---	---	0 748	0 557	0 381	0 248	0 034	0 341	0	0 023	---	---	0 291	1973
1974	---	---	0 783	1 42	1 72	0 898	0 292	0 382	0 042	0 150	---	---	0 720	1974
1975	---	---	0 032	2 75	3 15	3 25	0 842	1 43	0 233	0 821	---	---	1 53	1975
1976	---	---	3 65	1 88	0 854	1 14	0 219	0 288	0 009	0 163	---	---	1 00	1976
1977	---	---	0 452	0 294	0 292	0 210	0 002	0	0	0 009	---	---	0 197	1977
1978	---	---	0 030	3 80	0 810	1 14	0 259	0 004	0 351	0 175	---	---	0 765	1978
1979	---	---	3 96	2 79	2 14	0 708	0 372	0 212	0 084	0 177	---	---	1 31	1979
1980	---	---	0 369	0 585	0 438	0 388	0 155	0 131	0 001	0 181	---	---	0 277	1980
1981	---	---	0 411	0 123	0 772	0 671	0 259	0 037	0	0	---	---	0 205	1981
1982	---	---	0 091	3 34	0 872	2 30	0 938	0 183	0 093	0 480	---	---	1 04	1982
1983	---	---	0 880	0 431	0 881	0 798	0 850	0 180	0 002	0 267	---	---	0 456	1983
1984	---	---	0 524	0 345	0 042	0 139	0 020	0	0	0	---	---	0 133	1984
1985	---	---	0 192	0 753	1 57	0 554	0 384	0	0 132	0 388	---	---	0 498	1985
1986	---	---	5 23	0 887	0 470	0 976	0 389	0 112	5 40	1 83	---	---	2 34	1986
MEAN	0 011	0 020	1 34	4 38	2 01	1 00	0 520	0 205	0 244	0 222	0 208	0 041	1 19	MEAN

LOCATION - LAT 49 06 07 N DRAINAGE AREA 2 550 km² INTERNATIONAL GAUGING STATION
LONG 109 25 18 W REGULATED

BATTLE CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AB027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	90.6 AT 09 00 MST ON APR 13	80.1 ON APR 13	---	---	1917
1918	---	70.8 B ON MAR 31	0 ON JUL 13 *	---	1918
1919	4.67 AT 12 00 MST ON APR 19	3.54 ON APR 19	0 ON JUL 2	8 630	1919
1920	26.1 AT 07 00 MST ON MAY 11	23.5 ON MAY 11	0 B ON MAR 1	32 200	1920
1921	19.5 AT 07 00 MST ON APR 19	19.3 ON APR 19	0 ON AUG 15	24 100	1921
1922	---	30.0 ON APR 25	0 B ON MAR 1	95 900	1922
1923	5.55 AT 08 00 MST ON JUN 25	5.01 ON APR 21	0 0.368 ON MAR 1	30 600	1923
1924	---	7.62 B ON APR 11	0 B ON MAR 1	11 700	1924
1925	40.5 AT 23 00 MST ON APR 2	37.1 B ON APR 3	0 B ON MAR 1	53 400	1925
1926	---	---	0 ON JUL 25	---	1926
1927	56.5 ON APR 4	48.1 ON APR 4	0 B ON MAR 1	121 000	1927
1928	85.7 B AT 16 00 MST ON APR 3	56.6 B ON APR 3	0 .212 ON AUG 23	80 400	1928
1929	21.6 AT 03 00 MST ON APR 26	16.6 ON APR 25	0 B ON MAR 1	29 200	1929
1930	30.3 B AT 13 00 MST ON APR 2	22.5 B ON APR 2	0 ON AUG 4	38 800	1930
1931	1.87 AT 07 30 MST ON APR 7	1.50 ON APR 7	0 ON JUN 5	3 000	1931
1932	11.8 AT 04 30 MST ON APR 6	10.2 ON APR 6	0 ON JUL 28	14 500	1932
1933	8.78 AT 07 00 MST ON APR 22	7.36 ON APR 22	0 B ON MAR 1	17 400	1933
1934	---	9.17 ON APR 9	0 ON JUL 18	14 900	1934
1935	25.8 AT 08 00 MST ON APR 21	20.2 ON APR 21	0 B ON MAR 1	24 700	1935
1936	76.7 AT 20 40 MST ON APR 12	52.1 ON APR 12	0 ON MAR 1	14 700	1936
1937	21.0 AT 22 00 MST ON APR 6	10.2 ON APR 6	0 ON MAR 1	6 060	1937
1938	32.7 AT 21 30 MST ON MAR 26	4.88 ON MAR 27	0 ON MAR 1	11 800	1938
1939	51.8 AT 23 00 MST ON MAR 22	28.8 ON MAR 22	0 B ON MAR 1	14 900	1939
1940	84.8 AT 07 00 MST ON APR 21	54.9 ON APR 21	0 ON MAR 1	32 100	1940
1941	48.7 B AT 23 00 MST ON MAR 21	37.1 B ON MAR 22	0 B ON MAR 1	20 900	1941
1942	17.5 AT 20 00 MST ON JUN 28	8.89 ON JUN 25	0 B ON MAR 1	13 500	1942
1943	81.3 B AT 22 00 MST ON MAR 29	56.6 B ON MAR 28	0 B ON MAR 1	28 000	1943
1944	24.3 AT 20 00 MST ON AUG 25	12.1 ON JUL 6	0 B ON MAR 1	9 480	1944
1945	11.3 AT 02 00 MST ON MAR 20	8.81 ON MAR 20	0 B ON MAR 1	6 950	1945
1946	12.4 AT 21 00 MST ON MAR 11	8.95 ON MAR 11	0 ON MAR 1	6 590	1946
1947	14.2 B ON MAR 28	9.06 B ON MAR 28	0 ON MAR 1	6 540	1947
1948	14.0 B AT 11 00 MST ON APR 14	7.83 B ON APR 14	0 ON MAR 1	5 650	1948
1949	1.12 AT 12 30 MST ON MAY 27	1.07 ON MAY 27	0 B ON MAR 1	2 150	1949
1950	41.9 AT 21 30 MST ON APR 12	24.9 ON APR 13	0 ON MAR 1	12 700	1950
1951	15.9 ON MAY 2	13.4 ON MAY 2	0 B ON MAR 1	20 400	1951
1952	165 AT 07 00 MST ON APR 15	158 ON APR 15 *	0 B ON MAR 1	128 000	1952
1953	27.0 AT 12 00 MST ON JUN 8	24.8 ON JUN 8	0 .102 ON SEP 18	34 700	1953
1954	46.7 B AT 20 45 MST ON APR 5	22.5 B ON APR 6	0 .147 ON JUL 18	31 500	1954
1955	94.4 AT 20 30 MST ON JUL 12	34.8 ON APR 23	0 .2838 ON MAR 13	113 000	1955
1956	---	5.84 B ON MAR 27	0 .1428 ON MAR 18	24 900	1956
1957	33.1 B AT 03 30 MST ON APR 1	18.5 B ON APR 1	0 .023 ON SEP 8	23 000	1957
1958	28.9 B AT 04 30 MST ON APR 3	24.6 B ON APR 3	0 ON SEP 7	24 900	1958
1959	31.9 B AT 20 00 MST ON MAR 26	11.0 B ON MAR 26	0 B ON MAR 1	14 700	1959
1960	28.3 B AT 24 00 MST ON MAR 23	20.5 B ON MAR 24	0 B ON MAR 1	13 300	1960
1961	36.5 B AT 23 45 MST ON MAR 15	9.77 B ON MAR 15	0 ON JUL 3	5 590	1961
1962	18.3 B AT 22 00 MST ON MAR 26	6.21 B ON MAR 26	0 ON MAR 1	6 010	1962
1963	5.95 AT 02 00 MST ON JUL 6	2.86 ON JUL 6	0 ON MAY 31	5 880	1963
1964	8.31 AT 16 45 MST ON MAY 11	5.29 ON MAY 11	0 B ON MAR 1	6 880	1964
1965	21.8 AT 03 30 MST ON JUN 27	16.1 B ON APR 18	0 ON MAR 1	33 800	1965
1966	17.3 B AT 08 00 MST ON MAR 30	12.8 B ON MAR 29	0 .082 ON AUG 18	24 800	1966
1967	56.5 AT 08 00 MST ON MAY 22	53.5 ON MAY 22	0 ON SEP 2	57 500	1967
1968	3.568 AT 22 15 MST ON MAR 13	1.93 B ON MAR 14	0 .059 ON SEP 11	12 800	1968
1969	51.5 AT 02 45 MST ON APR 8	31.4 ON APR 9	0 A ON AUG 29	21 500	1969
1970	15.5 AT 18 00 MST ON MAY 9	15.2 ON MAY 9	0 B ON MAR 1	22 500	1970
1971	9.088 AT 14 20 CST ON APR 14	7.82 B ON APR 14	0 ON AUG 30	15 400	1971
1972	28.1 AT 03 00 MDT ON JUN 11	18.0 ON JUN 11	0 B ON MAR 1	17 200	1972
1973	3.55 AT 18 15 CST ON AUG 9	3.44 ON AUG 9	0 ON MAR 1	4 160	1973
1974	18.2 AT 11 45 CST ON MAY 21	13.3 B ON APR 1	0 .006 ON SEP 29	15 200	1974
1975	18.8 AT 18 33 CST ON AUG 24	10.8 ON JUN 20	0 .0088 ON MAR 1	33 400	1975
1976	31.2 B AT 06 30 CST ON MAR 30	20.4 B ON MAR 30	0 ON SEP 23	31 200	1976
1977	4.08 AT 00 15 MST ON APR 12	3.52 ON APR 12	0 ON JUL 9	3 330	1977
1978	45.9 B AT 21 15 CST ON APR 5	18.0 B ON APR 6	0 ON AUG 12	16 700	1978
1979	17.8 B AT 23 00 CST ON MAR 23	14.8 B ON MAR 23	0 B ON MAR 1	27 800	1979
1980	3.788 AT 08 00 MST ON MAR 21	2.10 B ON MAR 21	0 B ON MAR 1	9 880	1980
1981	2.30 AT 10 00 CST ON MAY 19	2.05 ON MAY 19	0 ON AUG 22	9 610	1981
1982	52.6 AT 23 00 CST ON APR 13	22.5 ON APR 14	0 B ON MAR 1	31 800	1982
1983	2.94 AT 21 30 CST ON MAY 13	2.31 ON MAY 13	0 ON SEP 16	9 800	1983
1984	1.43 AT 13 30 CST ON MAR 31	0.993 ON MAR 31	0 ON MAY 23	2 820	1984
1985	10.5 AT 02 00 CST ON MAY 3	7.43 ON MAY 3	0 B ON MAR 1	10 500	1985
1986	277 AT 13 00 CST ON SEP 25 *	119 ON SEP 25	0 .041 ON SEP 2	49 800	1986
				24 700	MEAN

A - MANUAL GAUGE
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

BATTLE CREEK AT NASH'S RANCH - STATION NO 11AB010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.226	0.277	---	---	---	1909
1910	---	---	---	---	---	0.075	0.012	0.022	0.133	0.121	---	---	---	1910
1911	---	---	---	2.85	1.28	0.301	0.285	0.269	3.34	1.07	---	---	---	1911
1912	---	---	---	---	2.54	1.06	0.218	0.299	0.474	0.882	---	---	---	1912
1913	---	---	---	5.71	1.57	0.388	0.801	0.267	0.140	0.351	---	---	---	1913
1914	---	---	---	4.39	0.736	0.028	0.006	0	0.076	0.472	---	---	---	1914
1915	---	---	---	6.51	1.01	2.45	1.48	0.895	0.703	0.781	---	---	---	1915
1916	---	---	21.4	3.88	2.67	6.89	2.90	1.82	1.27	1.58	---	---	5.29	1916
1917	---	---	---	18.5	11.9	2.47	0.495	0.194	0.588	0.677	---	---	---	1917
1918	---	---	---	15.6	2.19	0.358	0.058	0.095	0.051	0.114	---	---	---	1918
1919	---	---	0.100	1.72	0.532	0.122	0.012	0	0	0.043	---	---	0.313	1919
1920	---	---	0.114	3.87	5.77	0.805	0.284	0.049	0.018	0.140	---	---	1.37	1920
1921	---	---	0.810	5.55	2.26	0.371	0.384	0.026	0.114	0.208	---	---	1.18	1921
1922	---	---	0.007	11.5	7.84	1.01	0.438	0.233	0.211	0.188	---	---	2.87	1922
1923	---	---	0.112	2.82	0.828	2.18	1.55	0.471	0.087	0.137	---	---	0.991	1923
1924	---	---	0	2.71	0.889	0.578	0.174	0.058	0	0.098	---	---	0.532	1924
1925	---	---	1.14	10.7	1.49	0.884	0.087	0.032	0.148	0.322	---	---	1.80	1925
1926	---	---	3.57	1.83	0.247	0.135	0.359	0	0.084	0.141	---	---	0.807	1926
1927	---	---	1.24	15.8	12.9	6.33	1.39	0.882	0.538	0.847	---	---	4.94	1927
1928	---	---	4.80	7.36	1.83	2.00	1.37	0.525	0.376	0.827	---	---	2.32	1928
1929	---	---	0.880	5.03	3.21	1.58	0.397	0.021	0.080	0.290	---	---	1.40	1929
1930	---	0.237	1.39	6.18	1.06	0.411	0.197	0.011	0.089	0.375	---	---	1.20	1930
1931	---	---	0.518	0.855	0.154	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.101	3.32	0.457	0.022	---	---	---	---	---	---	---	1936
MEAN	---	0.237	2.39	6.50	2.86	1.36	0.603	0.285	0.380	0.414	---	---	1.91	MEAN

LOCATION - LAT 49 11 15 N DRAINAGE AREA, 2 120 km²
LONG 108 33 20 W REGULATED

BATTLE CREEK AT NASH'S RANCH - STATION NO 11AB010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	0 ON JUL 15 *	---	1910
1911	---	16.0 ON SEP 8	---	---	1911
1912	---	---	---	---	1912
1913	---	20.1 ON APR 16	---	---	1913
1914	---	16.6 ON APR 16	0 ON JUL 8	---	1914
1915	---	---	---	---	1915
1916	---	37.6 ON APR 2	---	---	1916
1917	---	49.0 B ON MAR 14	1.05 ON SEP 28	112 000	1917
1918	---	59.9 B ON APR 12 *	---	---	1918
1919	---	52.1 B ON MAR 29	---	---	1919
		3.288 ON APR 16	0 ON JUL 14	6 820	
1920	---	18.6 ON MAY 10	0 B ON MAR 1	28 000	1920
1921	---	17.9 ON APR 16	0 ON AUG 30	25 000	1921
1922	---	32.0 B ON APR 24	0 B ON MAR 1	58 800	1922
1923	---	8.21 ON APR 20	0 B ON MAR 2	21 000	1923
1924	---	7.338 ON APR 7	0 B ON MAR 1	11 300	1924
1925	---	30.0 A ON APR 2	0 B ON MAR 1	38 200	1925
1926	---	8.54A ON MAR 23	0 ON AUG 6	17 100	1926
1927	---	45.6 ON APR 28	0 B ON MAR 1	105 000	1927
1928	---	35.5 B ON APR 2	0.1138 ON MAR 1	49 300	1928
1929	---	31.8 ON APR 25	0 ON AUG 22	29 600	1929
1930	---	15.2 ON APR 8	0 ON AUG 8	25 500	1930
1931	---	1.988 ON MAR 24	0.085 ON MAY 28	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	22.7 E ON APR 11	0 B ON MAR 1	---	1936
				40 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT RANGER STATION - STATION NO 11AB081

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	3.04	1.75	0.581	0.235	0.183	0.285	0.387	---	---	---	1951
1952	---	---	0.182	5.55	1.18	0.445	0.531	0.423	0.195	0.212	---	---	1.08	1952
1953	---	---	0.253	1.70	4.13	3.85	0.764	0.433	0.398	0.382	---	---	1.48	1953
1954	---	---	0.422	1.19	1.24	0.927	0.369	0.358	0.469	0.787	---	---	0.715	1954
1955	---	---	0.308	4.85	6.02	1.51	2.07	0.673	0.580	0.638	---	---	2.08	1955
1956	---	---	0.453	1.59	1.22	0.600	0.877	0.346	0.312	0.310	---	---	0.687	1956
1957	---	---	0.393	4.03	1.98	0.500	0.229	0.162	0.168	0.250	---	---	0.957	1957
1958	---	---	0.308	2.09	0.388	0.203	0.136	0.049	0.116	0.159	---	---	0.427	1958
1959	---	---	0.316	2.17	0.712	0.499	0.244	0.124	0.157	0.312	---	---	0.563	1959
1960	---	---	1.12	1.04	1.24	0.460	0.172	0.143	0.082	0.086	---	---	0.584	1960
1961	---	---	0.304	0.282	0.383	0.119	0.038	0.015	0.058	0.093	---	---	0.189	1961
1962	---	---	0.248	1.31	0.304	0.196	0.124	0.028	0.052	0.088	---	---	0.291	1962
1963	---	---	1.05	0.804	0.309	0.334	0.617	0.042	0.048	0.050	---	---	0.408	1963
1964	---	---	---	---	2.05	0.612	0.239	0.082	0.297	0.152	---	---	---	1964
1965	---	---	---	---	1.81	1.87	0.983	0.268	0.791	0.476	---	---	---	1965
1966	---	---	---	---	---	0.846	0.440	0.475	0.448	0.321	---	---	---	1966
1967	---	---	0.244	0.636	5.91	1.23	0.489	0.279	0.333	0.302	---	---	1.31	1967
1968	---	---	0.839	0.819	0.842	0.753	0.506	0.214	0.336	0.373	---	---	0.585	1968
1969	---	---	0.200	2.37	0.805	0.257	0.179	0.086	0.080	0.234	---	---	0.492	1969
1970	---	---	0.232	0.805	4.97	0.979	0.499	0.189	0.178	0.168	---	---	1.01	1970
1971	---	---	0.226	3.17	0.814	1.05	0.247	0.097	0.138	0.217	---	---	0.736	1971
1972	---	---	1.89	0.537	0.571	0.287	0.152	0.084	0.115	0.157	---	---	0.476	1972
1973	---	---	0.204	0.551	0.561	0.538	0.110	0.059	0.086	0.141	---	---	0.281	1973
1974	---	---	0.184	1.46	1.28	0.536	0.289	0.172	0.147	0.158	---	---	0.526	1974
MEAN	---	---	0.469	1.90	1.78	0.798	0.431	0.207	0.244	0.269	---	---	0.740	MEAN

LOCATION - LAT 49 36 04 N DRAINAGE AREA, 205 km²
LONG 109 55 21 W NATURAL FLOW

BATTLE CREEK AT RANGER STATION - STATION NO 11AB081

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	31.7 AT 03 00 MST ON APR 28	18.8 ON APR 27	---	---	1951
1952	45.0 AT 02 30 MST ON APR 19	30.3 ON APR 18	0.102 ON SEP 26	22 800	1952
1953	43.2 AT 22 45 MST ON JUN 3	23.4 ON JUN 3	0.0578 ON MAR 1	31 400	1953
1954	11.8 B AT 04 00 MST ON APR 17	7.42 B ON APR 17	0.102 ON AUG 9	15 200	1954
1955	30.0 AT 06 00 MST ON MAY 2	23.0 ON MAY 2	0.2838 ON MAR 1	44 000	1955
1956	---	4.25 B ON APR 18	0.227 ON AUG 24	14 800	1956
1957	36.0 AT 04 00 MST ON APR 30	20.0 ON APR 30	0.113 ON AUG 1	20 200	1957
1958	9.748 AT 03 00 MST ON APR 8	6.88 B ON APR 8	0.031 ON AUG 18	9 030	1958
1959	12.5 B AT 10 00 MST ON APR 13	7.42 B ON APR 13	0.079 ON SEP 7	11 900	1959
1960	11.8 B AT 06 05 MST ON MAR 29	7.25 B ON MAR 29	0.057 ON SEP 20	11 500	1960
1961	---	0.725 ON MAY 11	0.003 ON AUG 8 *	3 370	1961
1962	3.458 AT 08 00 MST ON APR 15	1.97 B ON APR 11	0.008 ON AUG 18	5 180	1962
1963	8.898 AT 04 15 MST ON MAR 29	4.76 B ON MAR 28	0.003 ON AUG 8	8 600	1963
1964	15.5 AT 20 00 MST ON MAY 7	9.63 ON MAY 7	---	---	1964
1965	---	27.1 B ON APR 25	---	---	1965
1966	---	---	---	---	1966
1967	90.6 AT 24 00 MST ON MAY 17 *	38.4 ON MAY 18 *	0.2048 ON MAR 25	27 700	1967
1968	2.66 AT 12 00 MST ON JUN 24	2.01 ON JUN 24	0.136 ON AUG 27	12 400	1968
1969	14.3 B AT 04 00 MST ON APR 7	11.1 ON APR 10	0.014 ON SEP 10	10 400	1969
1970	83.4 AT 01 20 MST ON MAY 6	36.8 ON MAY 5	0.108 ON SEP 8	21 300	1970
1971	29.2 AT 04 30 CST ON APR 17	18.3 ON APR 17	0.076 ON AUG 22	15 800	1971
1972	32.6 B AT 05 45 CST ON MAR 17	17.3 B ON MAR 17	0.045 ON AUG 11	10 100	1972
1973	2.69 AT 05 50 CST ON JUN 19	2.35 ON JUN 19	0.034 ON AUG 5	5 950	1973
1974	4.96 AT 04 50 CST ON MAY 28	4.16 ON MAY 28	0.1388 ON MAR 1	11 100	1974
				15 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT WILSON'S RANCH - STATION NO 11AB011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.082	0.082	0.327	0.255	---	---	---	1910
1911	---	---	---	---	1.46	0.842	0.526	0.434	3.00	1.23	---	---	---	1911
MEAN	---	---	---	---	1.46	0.842	0.309	0.258	1.61	0.743	---	---	---	MEAN

LOCATION - LAT 49 26 30 N DRAINAGE AREA, 883 km²
LONG 109 40 00 W REGULATED

BATTLE CREEK BELOW DIVERSION CANAL - STATION NO 11AB015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	7.04	0.880	0.412	0.402	0.537	0.774	---	---	---	1912
1913	---	---	---	---	1.88	0.588	0.590	0.382	0.185	0.284	---	---	---	1913
1914	---	---	---	---	0.852	0.154	0.018	0.033	0.365	0.580	---	---	---	1914
1915	---	---	---	4.80	1.19	3.89	2.11	0.895	0.805	1.04	---	---	---	1915
1916	---	---	---	2.21	3.28	7.45	2.38	1.50	1.26	1.62	---	---	---	1916
1917	---	---	---	---	11.4	3.04	0.599	0.309	0.579	0.780	---	---	---	1917
1922	---	---	---	---	---	---	0.477	0.275	0.253	---	---	---	---	1922
1923	---	---	---	---	---	2.05	1.05	0.458	0.154	0.238	---	---	---	1923
1924	---	---	---	---	0.875	0.717	0.198	0.094	0.052	0.138	---	---	---	1924
1925	---	---	---	---	---	0.749	0.134	0.105	0.172	0.454	---	---	---	1925
1926	---	---	---	2.24	0.340	0.237	0.289	0.020	0.118	0.176	---	---	---	1926
1928	---	---	---	---	---	---	---	0.580	---	---	---	---	---	1928
1929	---	---	---	---	---	---	0.403	0.069	0.182	---	---	---	---	1929
1930	---	---	---	---	1.39	0.543	0.236	0.080	---	---	---	---	---	1930
1939	---	---	0.497	0.133	0.390	0.709	0.224	0.008	0.001	0.019	---	---	---	1939
MEAN	---	---	0.497	2.30	2.84	1.74	0.652	0.352	0.359	0.581	---	---	---	MEAN

LOCATION - LAT 49 26 11 N LONG 109 35 10 W DRAINAGE AREA 784 km² REGULATED

BATTLE CREEK BELOW DIVERSION CANAL - STATION NO 11AB015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0.0 ON JUL 21 *	---	1914
1915	---	---	---	---	1915
1916	---	20.8 ON JUN 1 *	---	---	1916
1917	---	---	---	---	1917
1922	---	---	---	---	1922
1923	---	---	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	14.2 E ON APR 12	0.0 ON AUG 7	---	1926
1928	---	---	---	---	1928
1929	---	---	---	---	1929
1930	---	---	---	---	1930
1939	---	2.808 ON MAR 27	0.0 ON AUG 18	---	1939
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK BELOW GAFF DITCH - STATION NO 11AB112

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	0.857	0.389	0.213	0.168	0.382	---	---	---	1972
1973	---	---	---	0.597	0.371	0.544	0.158	0.085	0.097	0.176	---	---	---	1973
1974	---	---	---	---	2.12	0.548	0.290	0.193	0.135	0.224	---	---	---	1974
1975	---	---	---	---	---	2.22	0.814	0.816	0.527	0.586	---	---	---	1975
1976	---	---	---	---	0.295	0.759	0.332	0.270	0.141	0.245	---	---	---	1976
MEAN	---	---	---	0.597	0.939	0.988	0.397	0.275	0.211	0.319	---	---	---	MEAN

LOCATION - LAT 49 24 43 N LONG 109 44 35 W DRAINAGE AREA 603 km² REGULATED

BATTLE CREEK BELOW GAFF DITCH - STATION NO 11AB112

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	2.97 AT 06 00 CST ON JUN 20	2.76 ON JUN 20	---	---	1973
1974	7.59 AT 02 10 CST ON MAY 27	5.57 ON MAY 26	0.054 ON AUG 5 *	---	1974
1975	22.4 AT 15 48 CST ON MAY 9 *	20.4 ON MAY 9 *	---	---	1975
1976	11.4 E AT 06 00 CST ON APR 7	8.78E ON APR 7	0.105 ON SEP 6	---	1976
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO 11AB101

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	0.303	0.141	0.001	0.086	0.129	---	---	---	1964
1965	---	---	---	---	2.53	2.39	1.59	0.415	0.706	0.523	---	---	---	1965
1966	---	---	---	---	0.670	0.737	0.409	0.402	0.245	0.470	---	---	---	1966
1967	---	---	---	---	---	1.90	0.442	0.310	0.203	0.365	---	---	---	1967
1968	---	---	---	---	0.745	0.653	0.610	0.290	0.286	0.455	---	---	---	1968
1969	---	---	---	---	0.929	0.395	0.304	0.305	0	0.183	---	---	---	1969
1970	---	---	---	---	4.37	1.31	0.901	0.293	0.081	0.242	---	---	---	1970
1971	---	---	---	---	---	1.46	0.847	0.353	0.245	0.014	0.232	---	---	---	1971
1972	---	---	---	---	0.682	0.798	2.54	0.450	0.427	0.089	0.292	---	---	---	1972
1973	---	---	---	---	0.512	0.416	0.264	0.066	0.462	0.001	0.094	---	---	---	1973
1974	---	---	---	---	---	1.30	1.30	0.422	0.451	0.086	0.216	---	---	---	1974
1975	---	---	---	---	---	3.31	3.27	1.00	1.13	0.224	0.713	---	---	---	1975
1976	---	---	---	---	---	0.638	0.751	0.289	0.322	0.034	0.194	---	---	---	1976
1977	---	---	---	---	0.268	0.234	0.158	0.036	0.040	0	0.102	---	---	---	1977
1978	---	---	---	---	1.58	0.535	1.20	0.324	0.078	0.286	0.288	---	---	---	1978
1979	---	---	---	---	---	1.93	0.781	0.582	0.270	0.128	0.230	---	---	---	1979
1980	---	---	---	---	---	0.602	0.449	0.248	0.170	0.021	0.241	---	---	---	1980
1981	---	---	---	---	0.191	0.737	0.525	0.403	0.051	0	0.019	---	---	---	1981
1982	---	---	---	---	---	0.582	2.06	0.892	0.201	0.131	0.420	---	---	---	1982
1983	---	---	---	---	0.358	0.549	0.847	0.852	0.196	0.068	0.300	---	---	---	1983
1984	---	---	---	---	0.278	0.126	0.222	0.036	0	0	0.043	---	---	---	1984
1985	---	---	---	---	0.849	1.62	0.772	0.450	0.002	0.239	0.434	---	---	---	1985
1986	---	---	---	---	0.687	0.439	1.08	0.448	0.192	3.85	1.20	---	---	---	1986
MEAN	---	---	---	---	0.587	1.12	1.08	0.461	0.272	0.297	0.321	---	---	---	MEAN

LOCATION - LAT 49 09 52 N DRAINAGE AREA, 2 210 km²
LONG 109 27 52 W REGULATED

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO 11AB101

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	---	0 ON AUG 4 *	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	0 ON AUG 29	---	1971
1972	35.1 AT 14 10 CST ON JUN 10	27.4 ON JUN 10	---	---	1972
1973	---	---	0 ON SEP 12	---	1973
1974	3.91 AT 05 06 CST ON JUN 28	3.62 ON JUN 28	0.012 ON APR 19	---	1974
1975	9.23 AT 15 16 CST ON MAY 7	8.44 ON JUN 21	0.102 ON SEP 17	---	1975
1976	---	---	0.018 ON SEP 18	---	1976
1977	6.13 AT 08 35 CST ON APR 11	2.898 ON APR 11	0 ON JUL 8	---	1977
1978	---	6.508 ON APR 6	---	---	1978
1979	---	---	---	---	1979
1980	---	---	0 ON SEP 5	---	1980
1981	---	---	0 ON AUG 16	---	1981
1982	5.44 AT 16 57 CST ON JUN 5	5.05 ON JUN 6	---	---	1982
1983	2.33 AT 01 23 CST ON MAY 12	1.86 ON MAY 12	0.005 ON SEP 19	---	1983
1984	---	---	0 ON JUL 19	---	1984
1985	12.1 AT 12 59 CST ON MAY 2	10.4 ON MAY 2	---	---	1985
1986	45.1 A AT 10 44 CST ON SEP 26 *	40.8 A ON SEP 26 *	---	---	1986
MEAN				---	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

BATTLE CREEK BELOW WILKES' RANCH - STATION NO 11AB073

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	---	---	0.587	---	---	---	---	---	1928
1929	---	---	---	---	---	---	0.379	0.075	0.177	---	---	---	---	1929
1930	---	---	---	---	1.31	0.552	0.234	0.057	---	---	---	---	---	1930
MEAN	---	---	---	---	1.31	0.552	0.307	0.233	0.177	---	---	---	---	MEAN

LOCATION - LAT 49 26 00 N DRAINAGE AREA, 787 km²
LONG 109 35 00 W REGULATED

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB118

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.105	---	---	---	---	---	1980
1981	---	---	0.619	0.172	0.338	0.588	0.410	0.082	0.014	0.174	---	---	0.273	1981
1982	---	---	0.109	0.081	0.718	2.37	0.704	0.225	0.213	0.458	---	---	0.613	1982
1983	---	---	0.781	0.696	0.370	0.590	0.526	0.285	0.205	0.434	---	---	0.484	1983
1984	---	---	0.433	0.307	0.207	0.298	0.080	0.012	0.104	0.229	---	---	0.206	1984
1985	---	---	0.295	1.84	2.13	0.743	0.134	0.126	0.371	0.469	---	---	0.736	1985
1986	---	---	0.422	0.247	0.010	0.199	0.349	0.260	0.497	0.425	---	---	0.301	1986
MEAN	---	---	0.407	0.526	0.629	0.795	0.384	0.158	0.234	0.372	---	---	0.436	MEAN

LOCATION - LAT 49 27 01 N
LONG 109 38 39 W REGULATED

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB118

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	2.43 AT 08 13 CST ON JUN 16	1.85 ON JUN 15	0.004 ON MAY 28	5 770	1981
1982	5.36 AT 11 28 CST ON JUN 4	4.91 ON JUN 5	0.0078 ON MAR 28	13 000	1982
1983	2.838 AT 02 26 CST ON MAR 14	1.84 B ON MAR 14	0.007 ON MAY 23	10 300	1983
1984	1.118 AT 14 25 CST ON MAR 22	0.6788 ON MAR 25	0.003 ON AUG 30	4 380	1984
1985	15.7 AT 01 25 CST ON MAY 1 *	10.9 ON APR 30 *	0.056 ON AUG 9	15 800	1985
1986	---	1.93 ON SEP 25	0.001 ON OCT 13 *	6 370	1986
				9 230	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB096

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.251	0.323	0.534	---	---	---	---	---	---	1963
1964	---	---	---	---	1.50	0.483	0.186	0.001	0.190	0.205	---	---	---	1964
1965	---	---	---	---	2.37	1.55	1.50	0.453	0.654	0.588	---	---	---	1965
1966	---	---	---	---	0.949	0.896	0.511	0.486	0.251	0.455	---	---	---	1966
1967	---	---	---	---	14.7	1.97	0.582	0.383	0.288	0.414	---	---	---	1967
1968	---	---	---	---	0.911	0.687	0.780	0.261	0.303	0.467	---	---	---	1968
1969	---	---	---	---	1.02	0.472	0.452	0.277	0.001	0.271	---	---	---	1969
1970	---	---	---	---	4.85	1.29	0.930	0.277	0.118	0.241	---	---	---	1970
1971	---	---	---	---	1.94	0.802	0.682	0.295	0.059	0.256	---	---	---	1971
1972	---	---	---	0.848	0.956	2.69	0.555	0.348	0.061	0.307	---	---	---	1972
1973	---	---	---	---	0.497	0.219	0.285	0.472	0.035	0.157	---	---	---	1973
1974	---	---	---	---	1.59	1.35	0.504	0.388	0.112	0.187	---	---	---	1974
1975	---	---	---	---	3.04	3.44	0.888	0.830	0.140	0.713	---	---	---	1975
1976	---	---	---	---	1.11	0.821	0.549	0.328	0.050	0.282	---	---	---	1976
1977	---	---	---	0.804	0.671	0.248	0.352	0.040	0.021	0.136	---	---	---	1977
1978	---	---	---	1.35	0.591	1.28	0.325	0.135	0.270	0.286	---	---	---	1978
1979	---	---	---	---	2.39	0.819	0.650	0.131	0.141	0.268	---	---	---	1979
1980	---	---	0.091	0.841	0.851	0.352	0.528	0.179	0.103	0.278	---	---	0.403	1980
1981	---	---	---	0.314	1.00	0.329	0.319	0.043	0	0.041	---	---	---	1981
1982	---	---	---	---	0.952	2.37	0.951	0.244	0.191	0.582	---	---	---	1982
1983	---	---	---	0.959	0.742	0.938	0.748	0.262	0.107	0.331	---	---	---	1983
1984	---	---	---	0.515	0.386	0.283	0.051	0	0	0.132	---	---	---	1984
1985	---	---	---	1.57	1.94	0.912	0.432	0.048	0.270	0.400	---	---	---	1985
1986	---	---	---	0.484	0.502	1.21	0.502	0.198	1.89	0.902	---	---	---	1986
MEAN	---	---	0.091	0.841	1.91	1.07	0.572	0.267	0.233	0.343	---	---	0.403	MEAN

LOCATION - LAT 49 17 12 N DRAINAGE AREA 1 850 km^2
LONG 109 31 22 W REGULATED

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB096

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	68.8 A AT 07:00 MST ON MAY 20 *	66.0 A ON MAY 20 *	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	59.5 AT 12:15 CST ON JUN 9	33.1 ON JUN 9	---	---	1972
1973	---	---	---	---	1973
1974	4.16 AT 02:08 CST ON MAY 14	3.99 ON MAY 13	0.085 ON SEP 28	---	1974
1975	8.50 AT 08:18 CST ON JUN 20	8.18 ON JUN 20	0.031 ON SEP 7	---	1975
1976	---	---	0.021 ON SEP 15	---	1976
1977	5.55 AT 10:12 CST ON APR 10	3.48 ON APR 10	---	---	1977
1978	5.758 AT 09:25 CST ON APR 6	3.888 ON APR 6	---	---	1978
1979	---	---	---	---	1979
1980	3.28 AT 19:48 CST ON MAY 25	2.61 ON MAY 25	0.0308 ON MAR 1	8 530	1980
1981	---	---	0 ON SEP 1 *	---	1981
1982	5.96 AT 23:22 CST ON JUN 4	5.55 ON JUN 5	---	---	1982
1983	4.168 AT 15:58 CST ON APR 4	2.918 ON APR 4	0.038 ON SEP 10	---	1983
1984	---	---	0 ON JUL 27	---	1984
1985	13.9 AT 20:38 CST ON MAY 1	11.5 ON MAY 1	---	---	1985
1986	28.1 A AT 12:35 CST ON SEP 26	23.5 A ON SEP 26	---	---	1986
				8 530	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	17.0	16.6	32.4	44.2	33.4	20.6	---	---	---	1912
1913	1.62	1.64	2.13	90.0	28.0	12.7	14.5	12.9	13.3	10.3	5.50	2.87	22.8	1913
1914	0.821	0.596	0.632	12.6	40.4	43.9	56.5	16.5	11.2	14.4	8.17	4.85	24.5	1914
1915	2.94	2.04	4.26	37.7	14.1	26.8	55.6	50.7	20.0	13.0	6.38	2.90	27.8	1915
1916	1.31	0.960	0.639	27.0	26.9	39.8	46.2	38.7	55.0	42.4	20.1	---	34.5	1916
1917	4.01	3.23	2.57	88.7	83.7	55.5	21.9	10.5	8.36	6.09	4.42	1.34	32.0	1917
1918	0.234	0.233	1.05	30.6	12.6	9.02	4.89	2.60	1.90	2.18	1.49	0.808	8.04	1918
1919	0.310	0.399	0.298	14.3	18.4	9.54	3.40	2.66	2.13	1.33	---	---	6.48	1919
1920	0.194	0	0	40.8	90.7	65.8	22.7	7.22	4.91	3.56	4.22	0.729	25.4	1920
1921	0.405	0.327	0.117	86.3	25.0	10.2	5.70	3.60	3.83	3.53	---	---	17.6	1921
1922	---	---	---	21.1	8.69	5.56	2.58	2.01	1.61	1.78	---	---	---	1922
1923	---	---	---	8.18	5.75	7.05	8.70	5.98	4.19	3.42	---	---	---	1923
1924	---	---	0.053	4.98	13.9	8.71	4.35	2.18	2.22	2.25	---	---	4.83	1924
1925	---	---	0.037	46.3	31.5	8.70	4.80	3.30	2.87	3.52	---	---	12.7	1925
1926	---	---	0.892	40.6	21.0	8.34	8.76	6.71	6.61	13.2	---	---	13.2	1926
1927	---	---	---	42.2	104	48.9	34.5	31.7	12.6	9.32	---	---	---	1927
1928	---	---	---	40.4	30.2	14.0	11.7	8.85	5.13	3.98	---	---	---	1928
1929	---	---	1.75	10.6	11.2	6.86	2.92	1.43	1.07	0.847	---	---	4.52	1929
1930	---	---	1.20	5.38	3.85	3.31	4.59	1.77	1.11	2.43	---	---	2.96	1930
1931	---	---	0.380	9.56	4.39	3.64	3.85	3.02	3.37	3.14	---	---	3.91	1931
1932	---	---	---	---	18.2	10.3	5.77	2.94	2.37	1.76	---	---	---	1932
1935	---	---	---	---	---	---	---	---	2.37	2.72	---	---	---	1935
1936	---	---	---	---	60.2	18.2	---	---	---	---	---	---	---	1936
1967	---	---	---	---	37.5	16.6	6.16	2.82	1.27	1.28	---	---	---	1967
1968	---	---	30.3	12.6	5.35	2.82	1.96	1.98	2.21	6.88	---	---	8.04	1968
1969	---	---	0.593	86.2	33.4	10.5	6.34	3.08	2.68	3.14	---	---	18.1	1969
1970	---	---	1.10	67.3	31.7	13.4	27.5	9.65	4.84	3.78	---	---	18.8	1970
1971	---	---	1.46	72.3	50.9	16.8	12.2	10.4	5.05	3.73	---	---	21.5	1971
1972	---	---	3.42	42.3	22.3	11.9	7.52	5.80	3.57	3.37	---	---	12.4	1972
1973	---	---	4.48	26.2	19.6	19.6	21.2	27.7	15.8	8.77	---	---	17.9	1973
1974	---	---	2.00	87.8	280	87.5	31.2	20.2	11.2	8.19	---	---	87.3	1974
1975	---	---	1.61	15.9	40.0	20.0	14.4	6.95	3.85	2.72	---	---	13.2	1975
1976	---	---	2.05	40.6	11.7	11.5	6.87	2.78	1.66	1.59	---	---	9.71	1976
1977	---	---	0.952	5.42	9.82	6.34	3.58	1.19	0.859	1.37	---	---	3.68	1977
1978	---	---	0.940	13.7	8.69	5.44	2.94	1.57	5.71	5.75	---	---	5.55	1978
1979	---	---	5.25	48.9	24.0	12.0	6.71	4.67	2.56	2.05	---	---	13.2	1979
1980	---	---	0.416	26.7	16.6	6.69	9.38	6.78	7.70	11.2	---	---	10.6	1980
1981	---	---	5.54	25.0	11.1	7.63	3.88	3.85	11.0	5.23	---	---	9.06	1981
1982	---	---	1.53	8.31	45.3	18.7	20.3	26.2	10.1	7.49	---	---	17.3	1982
1983	---	---	2.80	28.1	20.5	8.74	51.0	17.0	5.80	3.98	---	---	17.3	1983
1984	---	---	4.26	17.7	7.41	7.16	4.05	1.84	1.20	3.25	---	---	5.82	1984
1985	---	---	1.88	89.0	41.8	11.4	4.41	2.75	2.85	2.16	---	---	18.3	1985
1986	---	---	15.4	38.7	13.7	13.4	8.80	13.4	6.87	6.83	---	---	14.6	1986
MEAN	1.32	1.05	3.00	36.8	33.5	17.7	14.8	10.5	7.29	6.16	7.18	2.18	16.2	MEAN

LOCATION - LAT 52 44 07 N LONG 108 20 09 W DRAINAGE AREA, 30 000 km^2 NATURAL FLOW

REMARKS - PREVIOUS TO SEP 17 1975 DATA COLLECTED IN SE19-43-16-W3 AND NW25-43-17-W3

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	163 ON APR 7	0.7088 ON MAR 14	482 000	1913
1914	---	83.5 ON JUN 26	0.5688 ON MAR 18	619 000	1914
1915	---	79.0 ON JUL 22	1.70 B ON MAR 21	588 000	1915
1916	---	72.8 ON SEP 11	0.4258 ON MAR 19	731 000	1916
1917	---	210 B ON APR 22	2.38 B ON MAR 11	878 000	1917
1918	---	63.78 ON APR 8	0.4258 ON MAR 5	170 000	1918
1919	---	32.08 ON APR 17	0.1708 ON MAR 28	137 000	1919
1920	---	184 B ON APR 25	0 B ON MAR 1 *	623 000	1920
1921	---	325 B ON APR 19	0.0858 ON MAR 16	373 000	1921
1922	---	70.88 ON APR 14	---	---	1922
1923	---	18.5 ON JUN 28	0 B ON APR 1	---	1923
1924	---	24.98 ON APR 27	0 B ON MAR 1	102 000	1924
1925	---	79.0 ON APR 10	0 ON MAR 1	288 000	1925
1926	---	114 ON APR 22	0.7938 ON MAR 6	279 000	1926
1927	---	145 B ON APR 24	---	---	1927
1928	---	50.9 ON APR 26	---	---	1928
1929	---	22.08 ON APR 20	0.300 ON OCT 4	95 800	1929
1930	---	11.88 ON APR 9	0.8508 ON MAR 1	62 700	1930
1931	---	31.78 ON APR 9	0.2278 ON MAR 10	82 400	1931
1932	---	---	---	---	1932
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1967	---	---	---	---	1967
1968	---	45.68 ON MAR 10	0.0718 ON MAR 1	170 000	1968
1969	---	247 ON APR 15	0.5388 ON MAR 12	382 000	1969
1970	---	182 ON APR 15	1.08 B ON MAR 1	419 000	1970
1971	---	154 ON APR 17	1.40 B ON MAR 1	454 000	1971
1972	---	93.48 ON APR 14	1.13 B ON MAR 1	264 000	1972
1973	---	55.5 ON JUN 24	0.8408 ON MAR 1	379 000	1973
1974	419 AT 06 20 CST ON MAY 9 *	411 ON MAY 9 *	1.77 B ON APR 8	1 430 000	1974
1975	---	85.08 ON APR 25	1.50 B ON MAR 1	279 000	1975
1976	---	118 B ON APR 9	1.30 B ON MAR 1	208 000	1976
1977	18.8 AT 22 30 CST ON MAY 26	18.4 ON MAY 27	0.501 ON AUG 24	77 800	1977
1978	---	24.08 ON APR 11	0.3938 ON MAR 12	118 000	1978
1979	147 B AT 09 13 CST ON APR 25	138 B ON APR 25	0.3158 ON MAR 18	279 000	1979
1980	---	74.18 ON APR 18	0.3808 ON MAR 27	225 000	1980
1981	---	35.3 ON APR 12	2.00 B ON MAR 1	192 000	1981
1982	56.5 AT 13 30 CST ON MAY 15	56.2 ON MAY 15	1.30 B ON MAR 16	368 000	1982
1983	83.2 AT 16 40 CST ON JUL 11	81.8 ON JUL 11	1.78 B ON MAR 1	387 000	1983
1984	31.38 AT 14 43 CST ON APR 8	28.78 ON APR 8	0.8378 ON OCT 30	123 000	1984
1985	172 AT 00 28 CST ON APR 16	154 ON APR 16	0.6388 ON MAR 8	409 000	1985
1986	---	91.08 ON APR 5	1.60 B ON MAR 1	309 000	1986
				342 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR UNWIN - STATION NO 05FE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	1.71	12.1	6.17	7.35	14.5	15.0	6.86	5.06	---	---	---	1944
1945	---	---	1.63	10.7	6.73	3.31	1.88	1.50	1.10	1.06	---	---	---	1945
1946	---	---	3.08	17.0	7.81	5.38	5.07	5.29	5.44	4.98	---	---	---	1946
1947	---	---	4.58	39.2	16.0	6.40	2.49	2.72	4.19	3.07	---	---	---	1947
1948	---	---	0.367	41.7	212	80.7	15.0	8.57	5.98	5.25	---	---	---	1948
1949	---	---	0.984	9.36	6.36	2.64	3.32	6.55	2.19	1.85	1.45	0.736	---	1949
1950	0.408	0.540	1.25	10.1	12.0	6.13	4.40	2.15	0.764	2.27	1.21	0.522	3.41	1950
1951	0.567	0.498	0.581	64.2	55.7	14.6	5.87	3.88	3.08	2.40	2.10	1.52	12.9	1951
1952	0.802	1.05	0.870	93.3	37.6	11.6	9.90	5.70	3.58	2.93	2.47	1.26	13.3	1952
1953	0.987	1.15	0.998	23.5	33.2	11.2	8.79	11.7	8.46	6.37	3.81	2.33	9.07	1953
1954	1.30	0.992	1.03	5.47	23.0	40.4	25.4	12.3	47.2	26.1	15.8	7.91	17.2	1954
1955	3.63	3.02	5.12	46.8	58.0	25.4	10.7	6.72	4.07	4.33	2.24	1.01	15.6	1955
1956	0.836	0.633	0.623	78.8	86.6	17.3	13.4	8.39	6.24	4.58	2.73	1.55	17.1	1956
1957	0.586	0.836	1.80	34.6	21.2	5.94	2.77	3.74	3.29	2.32	2.40	1.45	6.72	1957
1958	0.852	1.07	0.486	47.9	17.5	5.56	2.18	1.17	1.06	1.02	0.874	0.416	6.84	1958
1959	0.301	0.113	1.22	5.20	3.83	2.14	1.06	0.766	2.02	2.70	1.77	0.606	1.89	1959
1960	0.202	0.105	4.36	21.9	8.86	3.17	2.07	1.25	1.12	1.36	1.03	0.648	3.81	1960
1961	0.467	0.141	1.06	7.18	4.14	2.22	1.08	0.464	0.288	0.615	0.563	0.190	1.54	1961
1962	0.097	0.042	0.019	15.2	7.82	5.48	13.7	3.89	1.53	0.947	0.752	1.05	4.21	1962
1963	0.522	0.584	8.71	48.1	20.1	9.96	13.4	4.87	2.42	1.34	1.41	1.03	9.45	1963
1964	1.05	0.918	1.02	4.74	6.43	2.82	1.24	0.776	1.74	1.67	0.713	0.694	1.98	1964
1965	0.287	0.190	0.238	75.8	89.2	30.8	28.8	15.6	7.25	4.86	3.83	1.43	19.0	1965
1966	0.700	0.861	1.26	39.8	12.7	8.16	2.87	4.21	2.36	1.78	1.01	0.670	5.35	1966
1967	0.722	0.877	0.490	3.84	33.9	10.1	3.78	1.93	0.779	0.776	0.504	0.285	4.83	1967
1968	0.028	0.012	12.6	7.41	3.69	1.87	1.17	2.10	3.28	5.13	1.95	0.945	3.34	1968
1969	0.703	0.722	0.648	73.7	28.5	7.90	4.27	2.19	2.21	2.28	1.33	0.989	10.4	1969
1970	0.773	0.834	0.852	56.0	25.3	8.92	26.5	8.94	3.17	2.75	2.48	1.40	11.5	1970
1971	0.930	1.27	1.02	56.8	44.3	12.8	10.1	5.87	4.20	2.97	2.10	0.924	12.2	1971
1972	0.635	0.873	2.85	29.7	26.1	9.34	6.04	4.40	2.56	2.36	1.95	0.830	8.78	1972
1973	0.487	0.918	1.76	29.8	17.8	21.3	20.5	27.9	13.6	8.40	4.14	2.32	12.4	1973
1974	1.64	1.88	1.71	50.5	290	88.4	35.7	15.8	8.83	6.98	4.41	1.91	41.0	1974
1975	1.57	1.36	1.49	16.7	51.3	15.7	11.8	4.91	2.45	2.32	2.16	1.09	9.55	1975
1976	1.10	0.945	1.01	29.3	9.56	6.73	4.38	1.48	0.921	0.880	0.539	0.894	4.78	1976
1977	0.771	0.802	1.41	4.14	8.39	4.88	2.02	0.999	0.534	0.623	0.553	0.465	2.15	1977
1978	0.465	0.549	0.815	15.0	7.44	4.08	2.43	0.811	5.81	4.25	2.15	1.20	3.84	1978
1979	0.459	0.421	1.95	24.9	19.2	9.47	5.98	4.28	2.04	1.15	0.917	0.585	5.95	1979
MEAN	0.801	0.772	2.02	32.9	34.1	13.1	8.78	5.87	4.83	3.61	2.27	1.24	9.26	MEAN

LOCATION - LAT 52 55 25 N DRAINAGE AREA 25 900 km²
LONG 109 52 25 W NATURAL FLOW

REMARKS - RECORDS FROM MAR 1945 - MAY 1958 OBTAINED 0.8 km DOWNSTREAM. STATION DISCONTINUED DEC 31 1979

BATTLE RIVER NEAR UNWIN - STATION NO 05FE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1944	---	39.4 ON AUG 7	---	---	1944
1945	---	14.6 B ON APR 3	---	---	1945
1946	---	25.3 ON APR 3	---	---	1946
1947	---	55.2 ON APR 10	---	---	1947
1948	---	262 ON MAY 7	---	---	1948
1949	---	22.6 ON AUG 1	---	---	1949
1950	---	30.0 ON APR 22	0.2270 ON JAN 26	108 000	1950
1951	---	140 ON APR 13	0.3960 ON MAR 13	607 000	1951
1952	---	239 ON APR 12	0.3960 ON JAN 22	422 000	1952
1953	---	51.5 ON MAY 7	0.5100 ON JAN 2	265 000	1953
1954	---	51.5 ON SEP 2	0.5950 ON JAN 26	543 000	1954
1955	---	131 ON MAY 3	0.5950 ON DEC 31	490 000	1955
1956	---	185 ON APR 20	0.4530 ON MAR 21	540 000	1956
1957	---	46.2 B ON APR 8	0.2270 ON FEB 22	212 000	1957
1958	---	98.3 ON APR 11	0.1980 ON DEC 14	209 000	1958
1959	---	8.38 ON APR 6	0.0280 ON FEB 18	59 600	1959
1960	---	29.2 ON APR 9	0.0280 ON MAR 15	120 000	1960
1961	---	10.6 ON APR 18	0.0570 ON FEB 13	46 500	1961
1962	88.2 AT 06 30 CST ON JUL 20	84.6 ON JUL 20	0 0 ON MAR 27 *	133 000	1962
1963	---	70.2 B ON APR 1	0.1330 ON FEB 7	288 000	1963
1964	---	11.7 ON MAY 12	0.2150 ON NOV 15	62 700	1964
1965	---	185 ON APR 14	0.1360 ON FEB 21	600 000	1965
1966	---	44.7 B ON APR 6	0.4250 ON DEC 12	185 000	1966
1967	---	56.4 A ON MAY 6	0.0598 ON DEC 26	152 000	1967
1968	---	27.2 B ON MAR 9	0 0 ON JAN 12	106 000	1968
1969	---	210 ON APR 14	0.5808 ON MAR 21	328 000	1969
1970	---	121 ON APR 13	0.8608 ON JAN 21	383 000	1970
1971	189 AT 11 53 CST ON APR 17	148 ON APR 17	0.5928 ON DEC 18	385 000	1971
1972	---	50.7 A ON APR 15	0.3608 ON DEC 17	214 000	1972
1973	87.4 AT 08 13 CST ON JUN 25	58.6 ON JUN 21	0.2928 ON FEB 23	391 000	1973
1974	402 AT 13 07 CST ON MAY 3 *	402 ON MAY 3 *	1.23 B ON FEB 8	1 290 000	1974
1975	92.9 AT 18 48 CST ON APR 28	82.3 ON APR 30	0.7268 ON DEC 14	301 000	1975
1976	---	56.0 A ON APR 13	0.3268 ON NOV 28	151 000	1976
1977	16.8 AT 15 56 CST ON MAY 21	16.1 ON MAY 21	0.326 ON SEP 3	67 700	1977
1978	39.7 AT 23 57 CST ON APR 9	27.8 ON APR 11	0.3828 ON JAN 15	121 000	1978
1979	98.68 AT 02 00 CST ON APR 23	86.0 B ON APR 23	0.1348 ON FEB 1	185 000	1979
				292 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

BEAR CREEK AT BERTRAM'S RANCH - STATION NO. 05HA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	...	...	...	...	...	...	...	...	...	0.183	...	...	...	1909
1910	...	...	...	0.247	0.124	0.072	0.030	0.035	0.136	0.183	...	...	0.118	1910
1911	...	...	...	0.881	0.374	0.190	0.076	0.052	0.168	0.167	...	...	0.285	1911
1912	...	...	...	...	0.882	0.484	0.172	0.117	0.114	0.170	...	...	...	1912
1913	...	...	...	2.21	0.400	0.131	0.083	0.003	0.036	0.153	...	...	0.425	1913
1914	...	...	...	0.836	0.286	0.113	0.002	0	0.012	0.225	...	...	0.175	1914
MEAN	...	...	...	0.984	0.405	0.200	0.073	0.041	0.093	0.180	...	...	0.246	MEAN

LOCATION - LAT 49 51 50 N LONG 109 05 40 W
DRAINAGE AREA 95.6 km²
NATURAL FLOW

BEAR CREEK AT BERTRAM'S RANCH - STATION NO. 05HA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	...	...	...	...	1909
1910	...	0.430 ON APR 1	0.003 ON JUL 19	2 170	1910
1911	...	2.16 ON APR 10	0.005 ON JUL 16	4 900	1911
1912	...	...	...	...	1912
1913	...	7.25 ON APR 6 *	0 ON JUL 18 *	7 860	1913
1914	...	1.95 ON APR 4	0 ON JUL 14	3 240	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 540	MEAN

BEAR CREEK NEAR PIAPOT - STATION NO. 05HA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	...	...	...	...	...	...	0.152	0.169	0.160	0.605	...	...	...	1908
1909	...	...	...	...	1.56	2.41	1.16	0.173	0.144	0.290	...	...	...	1909
1910	...	...	...	0.470	0.241	0.136	0.043	0.030	0.106	0.185	...	...	...	1910
1911	...	...	...	...	1.07	0.317	0.237	0.094	0.284	0.257	...	...	...	1911
1912	...	...	...	4.81	1.10	0.620	0.156	0.127	0.130	0.237	...	...	...	1912
1913	...	...	...	3.55	0.387	0.153	0.113	0.028	0.015	0.101	...	...	...	1913
1914	...	...	...	0.557	0.285	0.118	0.006	0	0.020	0.108	...	...	...	1914
1915	...	...	...	1.42	0.445	0.454	0.268	0.067	0.141	0.278	...	...	...	1915
1916	...	...	2.44	0.782	0.853	1.36	0.437	0.203	0.298	0.486	...	...	0.871	1916
1917	...	...	...	5.11	2.95	0.883	0.168	0.106	0.144	0.271	...	...	...	1917
1918	...	...	...	1.47	0.411	0.239	0.124	0.030	0.030	0.097	...	...	...	1918
1919	...	...	0.067	1.25	0.365	0.117	0.052	0.007	0.005	0.025	...	...	0.228	1919
1920	...	...	0.819	2.81	0.877	0.374	0.116	0.003	0	0.024	...	...	0.635	1920
1921	...	...	0.640	2.37	0.710	0.171	0.122	0.028	0.073	0.177	...	...	0.532	1921
1922	...	...	0.353	4.43	1.55	0.266	0.118	0.014	0.003	0.062	...	...	0.839	1922
1923	...	...	0.180	1.03	0.352	0.426	0.185	0.126	0.035	0.083	...	...	0.295	1923
1924	...	...	0.007	0.686	0.204	0.224	0.036	0.081	0.014	0.032	...	...	0.170	1924
1925	...	0.081	1.08	3.30	0.504	0.322	0.027	0.002	0.026	0.104	...	...	0.661	1925
1926	...	0.067	1.61	0.791	0.317	0.136	0.069	0	0.016	0.062	...	...	0.376	1926
1927	...	...	0.066	3.88	2.62	1.02	0.338	0.066	0.124	0.383	...	...	1.03	1927
1928	...	...	1.24	0.497	0.300	0.581	0.667	0.105	0.058	0.149	...	...	0.479	1928
1929	...	...	0.660	2.02	0.860	0.517	0.162	0.003	0.009	0.025	...	...	0.528	1929
1930	...	...	0.451	1.17	0.522	0.417	0.204	0.066	0.005	0.065	...	...	0.355	1930
1931	...	...	0.061	...	...	...	...	...	...	...	...	...	...	1931
1936	...	...	0.387	3.59	0.365	0.118	...	...	...	...	...	...	...	1936
1963	...	...	1.19	0.563	0.347	0.205	0.268	0.004	0	0	...	...	0.336	1963
1964	...	...	0.047	0.757	0.686	0.237	0.029	0.003	0.006	0.021	...	...	0.221	1964
1965	...	...	0.046	4.93	0.831	0.370	0.413	0.041	0.265	0.188	...	...	0.888	1965
1966	...	...	1.26	1.01	0.564	0.312	0.079	0.033	0.038	0.171	...	...	0.433	1966
1967	...	...	0.803	1.53	3.16	0.328	0.070	0.030	0.014	0.037	...	...	0.751	1967
1968	...	...	0.761	0.456	0.476	0.166	0.066	0.055	0.093	0.077	...	...	0.362	1968
1969	...	...	0.676	2.70	0.643	0.211	0.286	0.014	0	0.074	...	...	0.571	1969
1970	...	...	0.316	2.66	1.81	0.335	0.111	0.006	0	0.067	...	...	0.646	1970
1971	...	...	0.243	2.39	0.716	0.225	0.022	0.001	0	0.001	...	...	0.445	1971
1972	...	...	1.23	0.377	0.514	0.201	0.056	0	0.004	0.037	...	...	0.304	1972
1973	...	...	0.456	0.563	0.313	0.852	0.021	0.001	0.001	0.003	...	...	0.276	1973
1974	...	...	0.370	0.821	1.15	0.261	0.018	0.046	0.018	0.072	...	...	0.360	1974
1975	...	...	0.184	1.48	1.81	0.564	0.083	0.046	0.073	0.172	...	...	0.562	1975
1976	0.082	0.229	1.18	0.840	0.118	0.158	0.058	0.004	0	0	...	...	0.294	1976
1977	...	...	0.185	0.348	0.115	0.005	0.001	0	0	0.002	...	...	0.082	1977
1978	...	...	0.642	0.772	0.563	0.213	0.020	0.003	0.000	0.059	...	...	0.282	1978
1979	...	...	0.698	2.67	1.37	0.340	0.189	0.026	0.002	0.015	...	...	0.645	1979
1980	...	...	0.485	0.826	0.066	0.036	0.001	0.001	0	0.011	...	...	0.151	1980
1981	...	0.382	0.224	0.188	0.147	0.487	0.066	0.005	0	0	...	...	0.136	1981
1982	...	...	0.388	1.72	0.547	1.16	0.274	0.012	0.030	0.182	...	...	0.529	1982
1983	...	...	1.02	0.858	0.881	0.202	0.174	0.003	0	0.006	...	...	0.294	1983
1984	...	...	0.320	0.311	0.181	0.105	0.005	0	0	0.001	...	...	0.118	1984
1985	...	...	0.616	2.70	0.538	0.086	0.003	0	0.031	0.084	...	...	0.502	1985
1986	0.356	0.885	0.581	0.273	1.08	0.227	0.111	0.009	0.206	0.317	...	...	0.390	1986
MEAN	0.225	0.233	0.617	1.73	0.804	0.395	0.162	0.041	0.055	0.119	...	...	0.447	MEAN

LOCATION - LAT 49 53 55 N LONG 109 06 30 W
DRAINAGE AREA 363 km²
REGULATED

REMARKS - GAUGE HAS BEEN LOCATED AT VARIOUS LOCATIONS IN VICINITY OF PRESENT SITE

BEAR CREEK NEAR PIAPOT - STATION NO 05AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	4.90 E 00 MAR 16	0 00 JUL 9 *	---	1914
1915	---	0.57 00 APR 4	---	---	1915
1916	---	11.5 00 MAR 13	0 E 00 MAR 2	10 600	1916
1917	---	12.8 00 APR 22	---	---	1917
1918	---	10.2 00 MAR 26	---	---	1918
1919	---	3.31 E 00 APR 2	0 00 JUL 21	6 990	1919
1920	---	10.0 00 APR 14	0 E 00 MAR 1	12 600	1920
1921	---	13.1 00 APR 14	0 E 00 MAR 9	11 300	1921
1922	25.9 00 APR 22 *	19.2 00 APR 22 *	0 00 AUG 28	17 800	1922
1923	---	2.11 E 00 APR 16	0 00 SEP 16	6 240	1923
1924	---	4.38 E 00 APR 9	0 E 00 MAR 6	3 800	1924
1925	---	10.6 00 APR 5	0 E 00 MAR 1	13 800	1925
1926	---	6.12 00 MAR 19	0 00 JUL 31	8 000	1926
1927	---	16.0 00 APR 26	0 E 00 MAR 1	21 800	1927
1928	---	6.65 E 00 MAR 31	0 E 00 MAR 1	10 100	1928
1929	---	7.80 00 APR 22	0 00 JUL 25	11 200	1929
1930	---	3.77 00 APR 6	0 00 SEP 7	7 940	1930
1931	---	0.1470 00 MAR 23	0 0688 00 MAR 1	---	1931
1936	---	12.7 E 00 APR 16	0 E 00 MAR 1	---	1936
1963	6.16 AT 21 00 MST 00 MAR 26	4.98 00 MAR 25	0 00 AUG 8	7 140	1963
1964	3.78 AT 10 00 MST 00 MAY 6	3.34 00 MAY 6	0 E 00 MAR 1	4 880	1964
1965	22.0 AT 07 00 MST 00 APR 26	15.6 00 APR 26	0 E 00 MAR 3	18 800	1965
1966	10.5 AT 01 00 MST 00 MAR 31	6.84 00 MAR 30	0 00 JUL 31	8 170	1966
1967	17.4 AT 11 00 MST 00 MAY 6	12.4 00 MAY 10	0 E 00 MAR 7	15 800	1967
1968	---	1.36 E 00 MAR 7	0.017 00 JUL 31	5 550	1968
1969	17.2 AT 07 50 MST 00 APR 7	11.8 00 APR 7	0 E 00 MAR 1	13 100	1969
1970	16.3 AT 10 05 MST 00 APR 11	11.8 00 APR 11	0 00 AUG 16	13 700	1970
1971	7.02 AT 12 40 CST 00 APR 16	6.52 00 APR 16	0 00 JUL 22	9 420	1971
1972	11.3 E AT 14 28 CST 00 MAR 17	7.84 E 00 MAR 17	0 E 00 MAR 1	8 640	1972
1973	18.6 AT 08 18 CST 00 JUN 15	12.2 00 JUN 15	0 00 AUG 2	9 800	1973
1974	4.53 E AT 06 00 CST 00 MAR 29	3.84 00 MAY 25	0 E 00 MAR 4	7 020	1974
1975	14.6 AT 06 33 CST 00 MAY 7	11.2 00 MAY 7	0 E 00 MAR 1	11 000	1975
1976	10.9 E AT 12 01 CST 00 MAR 19	9.19 E 00 MAR 19	0 E 00 MAR 16	8 230	1976
1977	1.86 AT 15 40 CST 00 APR 8	1.37 00 APR 8	0 00 JUN 21	1 730	1977
1978	2.33 E AT 13 56 CST 00 MAR 30	2.16 E 00 MAR 30	0.001 00 JUL 28	6 870	1978
1979	23.7 AT 07 17 CST 00 APR 18	17.3 00 APR 18	0.001 00 AUG 30	13 700	1979
1980	3.94 E AT 22 05 CST 00 MAR 29	3.12 E 00 MAR 30	0 00 JUL 5	3 190	1980
1981	6.83 AT 08 10 CST 00 JUN 15	5.15 00 JUN 15	0 00 AUG 23	2 600	1981
1982	12.0 AT 13 36 CST 00 APR 14	8.83 00 APR 14	0 00 SEP 24	11 200	1982
1983	11.2 AT 13 50 CST 00 MAR 31	7.53 00 MAR 31	0 00 AUG 8	6 230	1983
1984	0.938 AT 04 50 CST 00 MAR 25	0.767 00 MAR 25	0 00 JUL 16	2 450	1984
1985	13.7 AT 13 36 CST 00 APR 13	9.66 00 APR 13	0 00 JUL 31	10 600	1985
1986	---	3.84 00 MAY 12	0.001 00 SEP 2	7 420	1986
			MEAN	9 460	MEAN

E - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	0.021	0.039	0.035	0.036	0.036	---	1977
1978	0.018	0.011	2.05	0.227	0.066	0.107	0.095	0.027	0.051	0.051	0.045	0.036	0.420	1978
1979	0.029	0.041	0.859	3.86 E	0.3398	0.078	0.042	0.041	0.032	0.040	0.038	0.047	0.2230	1979
1980	0.052	0.030	0.342	0.104	0.033	0.027	0.030	0.030	0.033	0.038	0.035	0.042	0.075	1980
1981	0.039	0.987	0.063	0.038	0.031	0.029	0.028	0.023	0.025	0.029	0.039	0.044	0.033	1981
1982	0.011	0.009	0.024	0.38	0.434	0.107	0.118	0.043	0.035	0.044	0.042	---	0.781	1982
1983	---	---	1.18	0.205	0.100	0.034	0.031	0.017	0.023	0.029	0.036	---	0.105	1983
1984	---	---	0.895	0.082	0.031	0.023	0.018	0.018	0.023	0.028	0.032	---	0.106	1984
1985	---	---	1.09	0.088	0.040	0.028	0.015	0.085	0.088	0.083	0.082	---	0.212	1985
1986	---	1.82	1.37	0.054	0.093	0.040	0.178	0.029	0.039	0.045	0.030	---	0.212	1986
MEAN	0.029	0.413	0.840	1.18 E	0.1330	0.053	0.060	0.071	0.037	0.038	0.038	0.039	0.204	MEAN

LOCATION - LAT 48 59 59 N
LONG 105 02 00 W

DRAINAGE AREA 385 km^2
NATURAL FLOW

INTERNATIONAL GAUGING STATION

E - REVISED SINCE JAN 1986

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	11.3 B ON MAR 22	0.021 ON AUG 11	9 990	1978
1979	33.0 MAY 09 16 CST ON APR 18	24.9 B ON APR 18	0.025 ON SEP 20	12 400B	1979
1980	3.808 AT 05 10 CST ON MAR 20	1.83 B ON MAR 20	0.0178 ON MAR 9	1 790	1980
1981	---	0.083 ON MAR 1	0.018 ON AUG 29	781	1981
1982	47.8 AT 23 02 CST ON APR 14 *	36.1 B ON APR 14 *	0.0218 ON MAR 23	18 800	1982
1983	11.0 B AT 11 00 CST ON MAR 30	6.93 B ON MAR 30	0.015 ON AUG 16	4 410	1983
1984	6.849 AT 03 03 CST ON MAR 21	5.05 B ON MAR 21	0.014 ON JUL 11	2 530	1984
1985	39.8 AT 09 06 CST ON AUG 2	7.22 ON AUG 2	0.013 ON JUL 10 *	5 030	1985
1986	---	5.52 B ON MAR 1	0.021 ON SEP 1	5 030	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD B - REVISED SINCE JAN 1 1986		6 750R	MEAN

BEAVER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	0.054	0.038	0.012	0.020	0.028	0.089	---	---	---	1949
1950	---	---	0.005	3.31	0.182	0.259	0.043	0.148	0.041	0.087	---	---	---	1950
1951	---	---	0.015	5.76	0.519	0.081	0.048	0.037	0.085	0.089	---	---	---	1951
1952	---	---	0.005	12.0	0.074	0.045	0.043	0.043	0.035	0.050	---	---	---	1952
MEAN	---	---	0.022	6.88	0.210	0.105	0.037	0.082	0.042	0.088	---	---	---	MEAN

LOCATION - LAT 49 58 29 N, LONG 109 00 00 W. DRAINAGE AREA 458 km^2. REGULATED. INTERNATIONAL GAUGING STATION

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO 05AG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	66.1	60.7	63.0	86.1	219	124	183	147	83.8	53.7	38.3	32.2	89.6	1971
1972	17.0	16.4	20.0	80.7	149	77.4	46.7	33.8	35.0	36.4	27.8	11.8	44.4	1972
1973	11.2	13.9	16.1	90.6	82.2	133	183	124	145	135	141	72.4	91.8	1973
1974	46.5	80.3	58.9	182	548	367	207	139	123	112	76.4	80.1	182	1974
1975	34.8	25.8	22.6	87.4	180	152	173	143	110	84.2	54.7	35.0	92.3	1975
1976	22.8	26.9	29.6	84.9	82.7	43.2	70.5	72.6	83.9	48.1	34.8	18.3	50.4	1976
1977	16.0	19.8	17.6	38.1	61.9	86.9	42.5	46.9	41.2	42.4	31.5	16.6	37.3	1977
1978	14.3	16.0	20.8	80.0	135	133	78.4	46.3	62.3	61.1	27.1	16.7	55.8	1978
1979	12.0	16.3	18.1	90.5	180	123	96.7	87.2	57.4	45.4	29.0	23.4	55.5	1979
1980	16.6	13.4	15.2	87.8	53.5	26.8	20.8	39.8	53.3	66.5	46.2	24.7	37.2	1980
1981	27.0	24.2	28.5	81.6	58.1	33.3	38.8	26.8	15.8	13.9	8.79	5.80	28.6	1981
1982	4.97	3.93	3.49	28.8	74.2	42.1	35.8	38.1	28.8	32.0	26.1	18.4	27.9	1982
1983	13.0	12.0	17.2	68.1	51.9	27.7	30.0	32.8	22.9	25.5	21.7	17.1	26.8	1983
1984	11.0	11.6	14.1	68.1	81.1	114	81.3	32.0	28.6	27.5	20.3	17.3	37.0	1984
1985	13.7	10.6	13.5	84.6	180	116	47.0	35.0	30.8	27.1	15.0	10.3	48.9	1985
1986	11.8	8.87	12.1	99.6	88.1	85.8	50.6	108	81.0	45.3	35.1	25.2	46.2	1986
MEAN	20.9	19.9	22.7	83.4	135	104	84.2	70.8	55.9	52.9	39.7	24.1	56.2	MEAN

LOCATION - LAT 54 48 00 N, LONG 107 48 30 W. DRAINAGE AREA 65 000 km^2. NATURAL FLOW

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO 05AG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	292 AT 10 00 CST ON MAY 12	271 ON MAY 12	17.5 B ON DEC 30	2 830 000	1971
1972	184 AT 17 23 CST ON MAY 15	183 ON MAY 15	9.548 ON DEC 25	1 400 000	1972
1973	289 AT 23 35 CST ON JUL 3	283 ON JUL 3	8.388 ON MAR 14	2 900 000	1973
1974	748 AT 18 15 CST ON MAY 10 *	686 ON MAY 9 *	40.8 B ON FEB 17	5 110 000	1974
1975	319 AT 15 33 CST ON MAY 11	211 ON MAY 9	21.7 B ON FEB 9	2 910 000	1975
1976	---	102 ON APR 14	11.9 B ON DEC 30	1 800 000	1976
1977	98.8 AT 06 06 CST ON MAY 31	97.7 ON MAY 31	14.0 B ON DEC 7	1 170 000	1977
1978	169 AT 10 26 CST ON JUN 18	148 ON JUN 18	9.578 ON NOV 20	1 780 000	1978
1979	193 B AT 16 04 CST ON MAY 9	185 ON MAY 9	9.838 ON FEB 21	1 750 000	1979
1980	113 AT 02 06 CST ON APR 22	110 ON APR 20	11.7 B ON FEB 20	1 180 000	1980
1981	99.0 AT 21 04 CST ON APR 17	74.1 ON APR 21	4.508 ON DEC 10	902 000	1981
1982	167 B AT 22 09 CST ON APR 28	101 B ON APR 29	3.048 ON MAR 8 *	881 000	1982
1983	80.88 AT 10 01 CST ON APR 19	75.3 ON MAY 2	9.368 ON MAR 1	845 000	1983
1984	---	122 ON JUN 11	9.128 ON MAR 9	1 170 000	1984
1985	188 AT 18 38 CST ON MAY 10	186 ON MAY 10	8.908 ON DEC 21	1 540 000	1985
1986	108 AT 15 46 CST ON AUG 7	118 ON AUG 7	8.238 ON FEB 25	1 430 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 840 000	MEAN

BEAVER RIVER NEAR DORINTOSH - STATION NO 05AD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	...	...	...	...	115	62.1	48.2	36.6	20.4	...	...	...	...	1933
1934	...	...	...	...	57.8	38.4	58.5	30.7	14.3	14.5	...	...	...	1934
1935	...	...	...	...	111	63.3	36.0	63.5	37.6	27.0	...	...	...	1935
1936	...	...	...	...	127	90.2	26.5	13.2	13.0	16.1	...	...	...	1936
1937	...	...	...	...	27.7	13.2	9.30	8.58	8.85	8.85	...	...	...	1937
1938	...	...	...	...	25.4	9.81	3.94	2.85	2.61	2.18	...	...	...	1938
1939	...	...	...	...	32.9	19.1	18.2	7.78	3.37	3.38	...	...	...	1939
1940	...	...	...	...	15.7	13.5	10.2	6.81	4.52	2.84	...	...	...	1940
1980	...	...	...	140	98.1	119	118	...	...	...	...	...	...	1980
1981	...	...	...	87.7	102	47.8	37.0	51.8	24.3	...	...	...	...	1981
1982	...	...	...	81.2	87.7	325	178	127	66.7	44.2	31.3	...	...	1982
1983	...	...	6.23	114	164	84.2	28.4	15.3	10.3	8.55	...	...	...	1983
1984	...	...	2.85	16.4	37.3	17.0	8.17	14.4	21.2	24.7	...	...	...	1984
1985	...	...	4.82	42.5	107	172	100	29.9	36.8	26.8	...	...	...	1985
1986	...	...	3.80	57.2	43.5	55.3	22.7	18.9	25.6	13.5	...	...	...	1986
1987	...	...	4.48	7.88	89.2	28.0	13.0	11.5	6.25	4.38	...	...	...	1987
1988	...	...	2.87	15.5	12.2	5.42	5.34	6.67	9.26	23.5	...	...	...	1988
1989	...	...	3.74	87.8	81.6	35.9	16.0	15.6	15.6	24.1	...	...	...	1989
1970	...	...	5.38	75.7	84.0	31.0	18.1	100	85.9	57.5	...	...	...	1970
1971	...	...	11.7	98.3	159	63.6	155	60.5	26.7	16.0	11.1	6.97	...	1971
1972	6.73	5.31	7.16	62.7	108	36.7	13.4	5.36	7.35	9.08	8.80	3.72	22.7	1972
1973	3.41	4.24	3.42	26.8	35.3	56.9	54.6	54.7	62.5	51.8	48.3	22.7	35.8	1973
1974	13.4	11.8	10.2	137	372	152	59.5	36.8	29.2	24.3	15.8	14.2	73.4	1974
1975	8.67	7.83	6.76	43.8	139	82.5	110	47.8	40.9	26.3	11.9	12.6	44.5	1975
1976	10.9	9.72	7.85	47.1	34.6	17.9	68.5	42.8	30.5	15.4	8.40	4.83	24.2	1976
1977	4.98	4.80	4.88	28.5	39.3	33.4	16.3	20.8	14.9	18.1	9.83	6.00	16.8	1977
1978	5.59	5.82	7.86	32.1	82.7	97.1	23.4	13.1	26.6	32.2	12.6	6.03	27.1	1978
1979	4.17	4.70	5.59	43.1	130	85.6	52.3	28.0	21.7	17.8	9.86	6.24	33.4	1979
1980	5.19	2.98	3.42	44.2	30.0	10.4	6.75	28.2	34.5	34.2	16.5	7.00	17.9	1980
1981	5.62	5.88	10.3	46.4	23.8	10.3	25.6	11.5	4.74	3.73	3.48	2.35	12.8	1981
1982	2.14	1.76	1.78	34.8	37.2	18.1	13.4	12.0	5.85	5.34	2.92	2.32	10.7	1982
1983	2.89	2.76	2.96	17.8	13.1	9.37	20.5	17.0	6.92	6.30	5.94	3.88	9.30	1983
1984	1.74	2.38	2.80	37.2	27.3	67.7	21.0	10.1	7.76	8.01	7.08	4.81	15.8	1984
1985	3.08	2.32	3.47	59.0	109	33.4	15.0	8.27	4.81	4.85	1.88	1.55	20.4	1985
1986	2.02	2.54	3.85	30.9	28.4	23.7	40.8	81.6	13.3	7.83	5.56	4.88	18.9	1986
MEAN	5.35	5.00	5.43	54.7	76.8	55.9	46.3	30.7	21.3	18.2	13.3	6.86	25.6	MEAN

LOCATION - LAT 54 17 47 N DRAINAGE AREA 20 500 km²
LONG 108 36 15 W NATURAL FLOW

BEAVER RIVER NEAR DORINTOSH - STATION NO 05AD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	...	158 ON MAY 16	...	...	1933
1934	...	...	...	...	1934
1935	...	182 ON MAY 3	...	...	1935
1936	...	178 ON MAY 19	...	...	1936
1937	...	...	...	...	1937
1938	...	...	...	...	1938
1939	...	...	...	...	1939
1940	...	...	...	...	1940
1980	...	229 E ON APR 18	...	...	1980
1981	...	181 ON APR 25	...	...	1981
1982	...	654 ON JUN 18 *	...	...	1982
1983	288 AT 07 00 CST ON APR 26	286 ON APR 26	...	...	1983
1984	...	48.1 ON MAY 15	...	...	1984
1985	...	211 ON JUN 18	...	...	1985
1986	...	93.4B ON APR 14	...	...	1986
1987	...	101 B ON MAY 6	...	...	1987
1988	28.5 AT 12 00 CST ON OCT 4	28.5 ON OCT 4	...	...	1988
1989	176 AT 20 00 CST ON APR 25	175 ON APR 25	...	...	1989
1970	241 AT 22 00 CST ON JUL 17	240 ON JUL 16	...	...	1970
1971	261 AT 18 18 CST ON MAY 3	260 ON MAY 3	...	...	1971
1972	...	155 A ON APR 25	2.60 B ON DEC 31	717 000	1972
1973	116 AT 07 24 CST ON JUN 27	115 ON JUN 27	3.53 B ON JAN 1	1 130 000	1973
1974	614 AT 16 59 CST ON APR 28 *	588 ON APR 28	9.40 B ON MAR 19	3 320 000	1974
1975	177 AT 09 30 CST ON APR 28	177 ON APR 28	6.29 B ON JAN 28	1 400 000	1975
1976	104 AT 18 09 CST ON JUL 23	104 ON JUL 23	4.13 B ON DEC 19	784 000	1976
1977	82.4 AT 03 14 CST ON APR 19	75.3 ON APR 19	4.22 B ON FEB 12	531 000	1977
1978	...	158 A ON JUN 11	5.10 B ON JAN 29	855 000	1978
1979	...	220 A ON MAY 1	3.55 B ON JAN 12	1 050 000	1979
1980	138 A AT 20 31 CST ON APR 18	132 A ON APR 18	2.36 B ON FEB 28	885 000	1980
1981	64.6B AT 00 18 CST ON APR 6	62.8B ON APR 5	1.49 B ON DEC 29	404 000	1981
1982	117 B AT 17 54 CST ON APR 26	106 B ON APR 26	1.60 B ON FEB 10	337 000	1982
1983	34.1 AT 03 47 CST ON APR 19	31.8B ON APR 19	2.14 B ON MAR 19	283 000	1983
1984	97.4 AT 23 19 CST ON JUN 9	97.0 ON JUN 10	0.9188 ON JAN 10 *	494 000	1984
1985	142 AT 15 18 CST ON MAY 16	142 ON MAY 16	1.15 B ON NOV 27	845 000	1985
1986	123 AT 18 57 CST ON JUL 31	121 ON JUL 31	1.81 B ON JAN 1	595 000	1986
				807 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERDAM CREEK NEAR WEYBURN - STATION NO. 05NB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0	0	0	0	0	0	0	---	---	---	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	---	1920
1921	---	---	0	0	0	0 001	0	0	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	---	1922
1925	---	---	0	0	0	0	0	0	0	0	---	---	---	1925
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 35 50 N LONG 103 57 55 W DRAINAGE AREA 241 km² NATURAL FLOW

BECKETT BROOK NEAR FOAM LAKE - STATION NO. 05MA022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	0 785	---	---	---	---	---	---	---	---	---	1962
1963	---	---	0 181	---	---	---	---	---	---	---	---	---	---	1963
1965	---	---	---	0 583	---	---	---	---	---	---	---	---	---	1965
1968	---	---	0 593	---	---	---	---	---	---	---	---	---	---	1968
1970	---	---	---	0 850	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1 64	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	1 71	1 07	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1 89	1 23	0 019	0	0	0	0	---	---	0 365	1975
1976	---	---	0	2 30	0 028	0 472	0 145	0	0	0	---	---	0 361	1976
1977	---	---	0	0 070	0 005	0	0	0	0	0	---	---	0 009	1977
1978	---	---	0 004	0 181	0 007	0 041	0 039	0	0 001	0	---	---	0 034	1978
1979	---	---	0	2 34	0 788	0 002	0	0	0	0	---	---	0 384	1979
1980	---	---	0	0 916	0	0	0	0	0	0	---	---	0 112	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0 274	0 017	0	0	0	0	0	---	---	0 038	1982
1983	---	---	0	0 374	0 238	0 002	1 16	0 056	0 001	0 001	---	---	0 229	1983
1984	---	---	0 083	0 147	0 007	0 001	0 004	0	0	0	---	---	0 030	1984
1985	---	---	0	2 38	0 088	0 004	0	0	0	0	---	---	0 304	1985
MEAN	---	0	0 064	1 01	0 288	0 048	0 121	0 008	0	0	---	---	0 170	MEAN

LOCATION - LAT 51 39 30 N LONG 103 38 12 W DRAINAGE AREA 632 km² NATURAL FLOW

BECKETT BROOK NEAR FOAM LAKE - STATION NO. 05MA022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1962	---	---	---	---	1962
1963	---	1 13 ON MAR 28	0E ON MAR 1	---	1963
1965	---	---	---	---	1965
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	6 59 AT 03 40 CST ON APR 30	7 59 ON APR 30	0E ON MAR 1	7 740	1975
1976	18 5 AT 19 00 CST ON APR 6 *	12 2 ON APR 6 *	0E ON MAR 1	7 830	1976
1977	0 843 AT 12 21 CST ON APR 13	0 493 ON APR 13	0E ON MAR 1	197	1977
1978	1 29 E AT 13 50 CST ON APR 10	1 04 E ON APR 10	0E ON MAR 1	710	1978
1979	11 8 AT 08 58 CST ON APR 25	10 2 E ON APR 25	0E ON MAR 1	8 140	1979
1980	6 83 E AT 11 31 CST ON APR 8	3 49 E ON APR 11	0E ON MAR 1	2 380	1980
1981	---	0 E ON MAR 1	0E ON MAR 1	0	1981
1982	5 25 E AT 13 30 CST ON APR 13	1 30 ON APR 16	0E ON MAR 1	755	1982
1983	6 45 AT 10 48 CST ON JUL 11	5 19 ON JUL 11	0E ON MAR 1	4 890	1983
1984	1 21 AT 10 41 CST ON JUL 12	0 8938 ON MAR 29	0E ON MAR 1	833	1984
1985	6 88 AT 02 16 CST ON APR 14	6 82 ON APR 14	0E ON MAR 1	6 430	1985
				3 590	MEAN

E - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELANGER CREEK ABOVE CYPRESS LAKE EAST INFLOW CANAL - STATION NO 11AC016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	3.41	0.599	0.305	0.242	---	0.125	0.194	---	---	---	1912
1913	---	---	---	2.08	0.281	0.204	0.171	0.121	0.097	0.095	---	---	---	1913
1914	---	---	---	---	---	---	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	---	0.585	0.195	0.200	0.197	---	---	---	1915
1916	---	---	---	0.573	0.731	0.623	0.540	0.447	0.295	0.345	---	---	---	1916
1917	---	---	---	---	---	0.511	0.312	0.278	0.268	0.283	---	---	---	1917
1918	---	---	---	2.08	0.289	0.272	0.147	0.121	0.105	0.111	---	---	---	1918
1919	---	---	---	0.883	0.183	0.088	0.085	0.046	0.049	0.084	---	---	---	1919
1920	---	---	0.089	2.63	0.847	0.323	0.303	0.077	0.085	0.107	---	---	0.540	1920
1921	---	---	0.336	1.72	0.503	0.233	0.131	0.077	0.092	0.111	---	---	0.396	1921
1922	---	---	0.063	4.13	1.11	0.352	0.202	0.154	0.115	0.115	---	---	0.772	1922
1923	---	---	0.055	0.737	0.257	0.276	0.185	0.124	0.112	0.111	---	---	0.220	1923
1924	---	---	0.084	0.842	0.145	0.187	0.072	0.075	0.059	0.084	---	---	0.156	1924
1925	---	---	0.105	2.31	0.391	0.203	0.111	0.083	0.127	0.099	---	---	0.410	1925
1926	---	---	0.843	0.318	0.011	0.037	0.016	0.029	0.054	0.042	---	---	0.169	1926
1927	---	---	0.083	3.01	1.58	0.639	0.383	0.218	0.182	0.151	---	---	0.772	1927
1928	---	---	0.824	0.571	0.279	0.288	0.310	0.141	0.090	0.093	---	---	0.326	1928
1939	---	---	0.387	0.330	0.241	0.332	0.147	0.089	0.065	0.076	---	---	0.203	1939
1940	---	---	0.020	1.85	1.00	0.485	0.183	0.081	0.071	0.088	---	---	0.478	1940
1941	---	---	1.21	0.770	0.177	0.115	0.045	0.040	0.057	0.062	---	---	0.308	1941
1942	---	---	0.074	1.93	0.335	0.542	0.234	0.162	0.133	0.137	---	---	0.426	1942
1943	---	---	1.26	1.97	0.255	0.304	0.080	0.039	0.037	0.054	---	---	0.481	1943
1944	---	---	0.295	1.99	0.122	0.126	0.142	0.102	0.080	0.073	---	---	0.382	1944
1945	---	---	0.551	0.125	0.241	0.088	0.033	0.036	0.050	0.050	---	---	0.153	1945
MEAN	---	---	0.389	1.83	0.450	0.298	0.198	0.121	0.110	0.119	---	---	0.387	MEAN

LOCATION - LAT 49 30 00 N DRAINAGE AREA 181 km²
LONG 109 22 07 W NATURAL FLOW

BELANGER CREEK ABOVE CYPRESS LAKE EAST INFLOW CANAL - STATION NO 11AC016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	11.8 ON APR 5	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0.8 ON MAR 26 *	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	15.4 AT 22 30 MST ON APR 19	11.9 ON APR 20	0.051 ON AUG 16	11 400	1920
1921	24.0 AT 24 00 MST ON APR 13	13.4 ON APR 14	0.034 ON SEP 1	8 300	1921
1922	35.4 AT 01 00 MST ON APR 22 *	28.8 ON APR 22 *	0.0578 ON MAR 1	16 300	1922
1923	3.34 ON APR 14	2.48 ON APR 14	0.0408 ON MAR 1	4 870	1923
1924	12.7 E AT 24 00 MST ON APR 6	6.249 ON APR 7	0.0289 ON MAR 9	3 290	1924
1925	20.7 AT 23 00 ON APR 4	9.68 ON APR 5	0.0288 ON MAR 1	8 690	1925
1926	5.078 AT 21 00 MST ON MAR 18	3.518 ON MAR 18	0.003 ON JUL 1	2 670	1926
1927	---	23.8 E ON APR 26	0.0718 ON MAR 1	16 300	1927
1928	9.348 AT 20 30 MST ON MAR 31	4.788 ON MAR 31	0.059 ON JUN 2	5 870	1928
1939	3.74 AT 09 00 MST ON MAR 25	2.94 ON MAR 25	0.003 ON JUN 27	4 200	1939
1940	10.8 AT 20 15 MST ON APR 19	10.0 ON APR 21	0.0208 ON MAR 1	10 100	1940
1941	7.028 AT 20 00 MST ON MAR 26	5.308 ON MAR 26	0.014 ON AUG 21	6 550	1941
1942	9.91 AT 01 30 MST ON APR 13	8.41 ON APR 13	0.0718 ON MAR 1	9 330	1942
1943	---	9.838 ON MAR 29	0.005 ON AUG 23	10 200	1943
1944	10.5 AT 02 00 MST ON APR 6	9.51 ON APR 7	0.0578 ON MAR 1	7 670	1944
1945	4.79 AT 21 30 MST ON MAR 23	3.09 ON MAR 23	0.005 ON JUL 12	3 240	1945
				8 180	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BELANGER CREEK AT CARRISON'S RANCH - STATION NO 11AC006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	0.827	0.179	0.120	0.130	---	---	---	1909
1910	---	---	---	0.179	0.181	0.155	0.082	0.046	0.040	0.033	---	---	---	1910
1911	---	---	---	---	---	---	---	---	0.071	0.079	---	---	---	1911
1912	---	---	---	1.88	0.057	0.033	0.018	0.057	0.108	0.095	---	---	---	1912
MEAN	---	---	---	1.03	0.109	0.094	0.236	0.084	0.083	0.084	---	---	---	MEAN

LOCATION - LAT 49 33 00 N DRAINAGE AREA 121 km²
LONG 109 23 00 W REGULATED

BELANGER CREEK BELOW CYPRESS LAKE EAST INFLOW CANAL - STATION NO 11AC059

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	0.018	0.023	0.057	0.084	0.094	0.040	0.021	0.044	---	---	0.045	1939
1940	---	---	0.014	0.016	0.012	0.076	0.132	0.042	0.038	0.076	---	---	0.051	1940
1941	---	---	0.127	0.037	0.016	0.050	0.025	0.007	0.008	0.008	---	---	0.035	1941
1942	---	---	0.078	0.125	0.183	0.076	0.070	0.137	0.143	0.150	---	---	0.120	1942
1943	---	---	0.405	0.252	0.091	0.084	0.039	0.011	0.022	0.015	---	---	0.116	1943
1944	---	---	0.083	0.170	0.047	0.120	0.142	0.102	0.080	0.073	---	---	0.102	1944
1945	---	---	0.123	0.100	0.241	0.088	0.033	0.036	0.030	0.059	---	---	0.089	1945
MEAN	---	---	0.122	0.103	0.092	0.080	0.078	0.054	0.049	0.061	---	---	0.080	MEAN

LOCATION - LAT 49 29 50 N DRAINAGE AREA 181 km²
LONG 109 21 53 W REGULATED

BELANGER CREEK BELOW CYPRESS LAKE EAST INFLOW CANAL - STATION NO 11AC059

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	0.130 ON MAY 28	0 B ON MAR 1 *	959	1939
1940	---	0.181 ON JUL 28	0 ON APR 23	1 070	1940
1941	---	0.4258 ON MAR 19	0 ON AUG 9	736	1941
1942	---	0.476 ON APR 26	0.003 ON JUL 3	2 460	1942
1943	---	7.08 B ON MAR 29 *	0 ON OCT 14	2 450	1943
1944	---	0.5958 ON APR 2	0.034 ON MAY 27	2 150	1944
1945	---	0.385A ON MAY 20	0.008A ON JUL 12	1 890	1945
				1 890	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO 11AC084

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0.717	0.153	0.085	0.005	0	0	0	0.006	---	---	0.122	1946
1947	---	---	0.289	0.989	0.189	0.034	0.025	0.001	0.001	0	---	---	0.188	1947
1948	---	---	0	1.15	0.068	0.004	0	0	0	0	---	---	0.152	1948
1949	---	---	0.008	0.734	0.088	0	0	0	0	0	---	---	0.100	1949
1950	---	---	0	1.21	0.184	0.003	0.030	0.002	0	0	---	---	0.174	1950
1951	---	---	0.001	3.89	2.15	0.175	0	0.033	0.035	0.068	---	---	0.787	1951
1952	---	---	0	1.63	0	0.041	0	0	0	0	---	---	0.205	1952
1953	---	---	0.015	1.58	1.46	0.357	0.200	0	0	0	---	---	0.449	1953
1954	---	---	0	0.955	0.357	0.078	0	0	0	0	---	---	0.171	1954
1955	---	---	0	1.08	0.971	0.410	0.184	0	0	0	---	---	0.330	1955
1956	---	---	0.011	0.514	0.586	0.037	0	0	0	0	---	---	0.141	1956
1957	---	---	0.013	2.08	0.158	0	0	0	0	0	---	---	0.277	1957
1958	---	---	0.012	1.65	0	0	0	0	0	0	---	---	0.204	1958
1959	---	---	0.676	1.17	0.118	0.288	0.045	0	0	0	---	---	0.284	1959
1960	---	---	1.81	0.867	0.137	0.018	0	0	0	0	---	---	0.342	1960
1961	---	---	0.384	0.183	0.012	0.014	0.005	0	0	0	---	---	0.076	1961
1962	---	---	0.289	0.798	0.021	0	0	0	0	0	---	---	0.137	1962
1963	---	---	1.04	0.745	0.225	0.093	0.008	0	0	0	---	---	0.264	1963
1964	---	---	0	0.648	0.441	0.017	0	0	0	0	---	---	0.137	1964
1965	---	---	0	4.89	1.38	0.188	0.123	0	0	0	---	---	0.786	1965
1966	---	---	1.23	1.51	0.855	0.148	0	0	0	0	---	---	0.442	1966
1967	---	---	0	0.985	1.79	0.080	0	0	0	0	---	---	0.354	1967
1968	---	---	1.27	0.204	0.032	0.084	0	0	0	0	---	---	0.198	1968
1969	---	---	0	2.38	0.147	0.018	0.007	0	0	0	---	---	0.311	1969
1970	---	---	0	3.22	1.58	0.214	0.004	0	0	0	---	---	0.521	1970
1971	---	---	0	1.47	0	0	0.013	0	0	0	---	---	0.182	1971
1972	---	---	1.24	0.006	0.003	0.232	0.018	0	0	0	---	---	0.185	1972
1973	---	---	0.058	0.128	0.015	0.180	0	0	0	0	---	---	0.048	1973
1974	---	---	0	1.46	1.82	0.288	0	0	0	0	---	---	0.444	1974
1975	---	---	0.021	1.62	3.57	0.135	0	0	0	0	---	---	0.657	1975
1976	---	---	0.809	0.882	0.003	0	0	0	0	0	---	---	0.211	1976
1977	---	---	0.003	0.183	0	0	0	0	0	0	---	---	0.020	1977
1978	---	---	0.018	1.75	0.842	0.012	0	0	0	0.017	---	---	0.302	1978
1979	---	---	0.891	3.45	1.28	0.103	0	0	0	0	---	---	0.710	1979
1980	---	---	0.003	1.32	0.083	0.034	0	0	0	0	---	---	0.178	1980
1981	---	---	0.019	0.005	0	0.114	0	0	0.004	0	---	---	0.017	1981
1982	---	---	0	0.909	0.287	1.78	0.028	0	0	0	---	---	0.370	1982
1983	---	---	0.885	0.538	0.898	0	0.245	0	0	0	---	---	0.324	1983
1984	---	---	0.001	0.305	0.054	0.008	0	0	0	0	---	---	0.045	1984
1985	---	---	0.070	1.34	0.221	0	0	0	0	0	---	---	0.201	1985
1986	---	0.291	0.885	0.068	0.441	0.140	0	0	0.387	0.052	---	---	0.257	1986
MEAN	---	0.291	0.314	1.22	0.539	0.139	0.023	0.001	0.010	0.003	---	---	0.278	MEAN

LOCATION - LAT 49 29 38 N INTERNATIONAL GAUGING STATION
LONG 109 21 54 W REGULATED SINCE 1939

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO 11AC064

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	2.688 ON MAR 19	0B ON MAR 1 *	2 570	1946
1947	---	2.75 ON APR 10	0B ON MAR 1	3 930	1947
1948	---	7.76 ON APR 17	0 ON MAR 1	2 230	1948
1949	---	1.958 ON APR 8	0 ON MAR 1	2 100	1949
1950	---	5.068 ON APR 21	0B ON MAR 1	3 870	1950
1951	---	15.7 B ON APR 29	0B ON MAR 1	16 700	1951
1952	---	10.5 ON APR 16	0B ON MAR 1	4 350	1952
1953	---	10.3 ON APR 26	0B ON MAR 1	5 500	1953
1954	---	3.828 ON APR 14	0B ON MAR 1	3 830	1954
1955	---	6.718 ON APR 11	0B ON MAR 1	6 980	1955
1956	---	1.76 ON APR 17	0B ON MAR 1	2 980	1956
1957	---	6.63 ON APR 19	0B ON MAR 1	5 870	1957
1958	---	8.81 ON APR 4	0 ON MAR 1	4 320	1958
1959	---	6.97 ON APR 2	0B ON MAR 1	6 020	1959
1960	---	8.508 ON MAR 28	0B ON MAR 1	7 250	1960
1961	---	2.32 ON MAR 22	0B ON MAR 1	1 810	1961
1962	---	3.998 ON APR 5	0B ON MAR 1	2 900	1962
1963	---	6.29 ON MAR 28	0B ON MAR 1	5 590	1963
1964	---	4.878 ON APR 4	0B ON MAR 1	2 900	1964
1965	---	14.2 ON APR 29	0B ON MAR 1	16 700	1965
1966	---	12.7 B ON MAR 30	0B ON MAR 1	9 350	1966
1967	---	11.6 ON MAY 9	0B ON MAR 1	7 500	1967
1968	---	4.138 ON MAR 6	0 ON APR 21	4 190	1968
1969	---	13.7 B ON APR 6	0B ON MAR 1	6 590	1969
1970	---	13.1 ON APR 11	0B ON MAR 1	13 100	1970
1971	---	7.70 ON APR 24	0B ON MAR 1	3 880	1971
1972	---	11.6 B ON MAR 17	0B ON MAR 1	3 880	1972
1973	---	1.10 ON JUN 16	0B ON MAR 4	1 020	1973
1974	---	10.1 ON MAY 25	0B ON MAR 1	9 410	1974
1975	18.3 AT 10 50 CST ON MAY 7 *	16.9 ON MAY 7 *	0B ON APR 2	13 900	1975
1976	---	5.648 ON APR 1	0B ON MAR 1	4 470	1976
1977	---	2.44 ON APR 9	0B ON MAR 16	429	1977
1978	---	3.75 ON APR 27	0B ON MAR 1	6 390	1978
1979	---	14.6 ON APR 18	0B ON MAR 1	15 000	1979
1980	---	7.038 ON APR 7	0B ON MAR 1	3 740	1980
1981	---	1.82 ON JUN 15	0B ON MAR 1	371	1981
1982	---	10.8 ON JUN 4	0B ON MAR 1	7 830	1982
1983	---	7.74 ON MAR 12	0B ON MAR 1	5 850	1983
1984	---	1.45 ON APR 7	0 ON MAR 1	980	1984
1985	---	6.05 ON APR 14	0B ON MAR 1	4 250	1985
1986	---	4.048 ON MAR 2	0 ON APR 18	5 450	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 880	MEAN

BEVERIDGE WEST DITCH NEAR SKIBEREEN - STATION NO 05HA020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1915	---	---	---	0.010	0.014	0.026	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
MEAN	---	---	---	0.010	0.014	0.026	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 49 17 N
LONG 109 14 47 W REGULATED

BEVERIDGE WEST DITCH NEAR SKIBEREEN - STATION NO 05HA020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0B ON JUL 18 *	---	1912
1915	---	---	0 ON APR 1	---	1915
1916	---	---	0B ON AUG 29	---	1916
1917	---	---	0 ON JUL 13	---	1917
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD B - REVISED SINCE JAN 1 1985		---	MEAN

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO 05EF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	---	0.015	---	---	---	1970
1971	---	---	0.014	5.83	2.56	0.706	0.313	0.322	0.041	0.091	---	---	1.35	1971
1972	---	---	0.036	10.3	2.29	0.382	0.031	0.036	0.117	0.057	---	---	1.84	1972
1973	---	---	0.149	4.33	1.80	0.536	0.051	0.071	0.003	0.551	---	---	1.05	1973
1974	---	---	0.021	19.4	8.87	1.95	0.530	0.098	0.039	0.054	---	---	3.81	1974
1975	---	---	0.028	2.33	4.50	1.44	0.405	0.035	0.054	0.528	---	---	1.18	1975
1976	---	---	0.006	1.53	0.723	0.034	0.066	0.002	0.081	0.015	---	---	0.302	1976
1977	---	---	0	0.002	0.182	0.007	0	0	0	0	---	---	0.021	1977
1978	---	---	0.019	0.384	0.170	0	0	0	0	0	---	---	0.071	1978
1979	---	---	0	1.71	1.77	0.539	0.041	0	0	0	---	---	0.504	1979
1980	---	---	0	1.89	0.582	0.192	0.106	0	0	0	---	---	0.317	1980
1981	---	---	0.051	1.46	0.241	0	0	0.088	0	0	---	---	0.227	1981
1982	---	---	0	0.006	0	0	0	0.012	0	0	---	---	0.002	1982
1983	---	---	0	0.235	0.088	0.007	0.002	0	0	0	---	---	0.041	1983
1984	---	---	0.092	3.01	0.702	0.490	0.026	0	0	0	---	---	0.532	1984
1985	---	---	0.020	3.25	0.893	0.042	0	0	0	0	---	---	0.518	1985
1986	---	---	0.201	2.13	0.451	0.255	0.812	1.21	0.272	0.158	---	---	0.859	1986
MEAN	---	---	0.040	3.86	1.80	0.411	0.198	0.117	0.037	0.083	---	---	0.784	MEAN

LOCATION - LAT 53 14 35 N DRAINAGE AREA 1 820 km²
LONG 109 17 45 W NATURAL FLOW

REMARKS - PRIOR TO OCT 01 1978 RECORDS OBTAINED 7.2 KM DOWNSTREAM IN NE18-49-22-W3

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO 05EF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---			
1971	15.2 AT 19 33 CST ON APR 19	15.1 ON APR 19	0 ON OCT 1 *	---	1970
1972	32.3 AT 00 48 CST ON APR 15 *	29.7 ON APR 15	0.002 ON SEP 6	28 500	1971
1973	11.4 AT 11 58 CST ON APR 5	8.72 ON APR 5	0 B ON MAR 1	34 700	1972
1974	---	82.1 A ON APR 21 *	0 B ON MAR 1	32 100	1973
			0 ON JUL 30	80 500	1974
1975	17.9 B AT 15 19 CST ON APR 25	15.2 B ON APR 25	0 ON JUL 28	24 900	1975
1976	9.26 AT 19 34 CST ON APR 9	5.83 B ON APR 9	0 B ON MAR 1	5 400	1976
1977	---	0.377 ON MAY 21	0 B ON MAR 1	454	1977
1978	0.889 AT 16 48 CST ON APR 7	0.8308 ON APR 7	0 B ON MAR 1	1 900	1978
1979	7.42 AT 18 45 CST ON APR 21	6.87 ON APR 22	0 B ON MAR 1	10 700	1979
1980	5.56 AT 14 08 CST ON APR 16	5.04 ON APR 16	0 B ON MAR 1	6 720	1980
1981	3.75 AT 16 11 CST ON APR 2	2.59 ON APR 2	0 B ON MAR 1	4 810	1981
1982	0.217 AT 18 31 CST ON AUG 23	0.146 ON AUG 24	0 B ON MAR 1	48.2	1982
1983	1.40 AT 19 02 CST ON APR 9	1.19 ON APR 11	0 B ON MAR 1	887	1983
1984	5.06 AT 19 40 CST ON APR 2	4.56 ON APR 11	0 B ON MAR 1	11 300	1984
1985	7.46 AT 07 14 CST ON APR 13	7.39 ON APR 13	0 B ON MAR 1	11 000	1985
1986	4.90 AT 05 43 CST ON APR 3	4.76 ON APR 3	0 B ON MAR 1	14 000	1986
				15 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIG MUDDY CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	0.014	0	0.004	0.015	0	0	---	---	---	1949
1950	---	---	0.003	0.284	0.006	0.145	0	0.024	0	0	---	---	---	1950
1951	---	---	0.001	0.533	0.033	0	0	0.007	0.012	0.004	---	---	---	1951
MEAN	---	---	0.002	0.414	0.018	0.048	0.001	0.015	0.004	0.001	---	---	---	MEAN

LOCATION - LAT 49 00 30 N DRAINAGE AREA 85 8 km² INTERNATIONAL GAUGING STATION
LONG 104 51 40 W NATURAL FLOW

BIG MUDDY CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1949	---	---			
			0E ON APR 22 *	---	1949
1950	1.53 ON JUN 12	---	---	---	1950
1951	2.24 ON APR 4 *	---	---	---	1951
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIRCH CREEK NEAR ELFROS - STATION NO. 05MA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.238	0.031	0.002	0.003	0	0	0	0	---	---	0.034	1963
1964	---	---	0	0.180	0.047	0	0.002	0	0.002	0	---	---	0.030	1964
1965	---	---	0	0.993	0.073	0.190	0.016	0	0.001	0	---	---	0.156	1965
1966	---	---	0.651	2.84	0.411	0.024	0.002	0.090	0	0	---	---	0.445	1966
1967	---	---	0	3.63	0.769	0.014	0	0	0	0	---	---	0.409	1967
1968	---	---	1.00	0.333	0.004	0	0	0	0	0	---	---	0.155	1968
1969	---	---	0	2.12	0.023	0	0	0	0	0	---	---	0.335	1969
1970	---	---	0	3.40	0.444	0.011	0.008	0	0	0	---	---	0.475	1970
1971	---	---	0	3.90	0.054	0.068	0.001	0	0	0	---	---	0.493	1971
1972	---	---	0.210	3.18	0.258	0	0	0	0	0	---	---	0.449	1972
1973	---	---	0.028	0.626	0.014	0.549	0.142	0.011	0	0	---	---	0.095	1973
1974	---	---	0	3.12	1.89	0.856	0.032	0.003	0.009	0.028	---	---	0.711	1974
1975	---	---	0	5.85	3.35	0.152	0.019	0.010	0.006	0.005	---	---	1.13	1975
1976	---	---	0.007	4.87	0.158	0.179	0.056	0.008	0.008	0.004	---	---	0.649	1976
1977	---	---	0.001	0.887	0.004	0	0	0	0	0	---	---	0.011	1977
1978	---	---	0.189	0.820	0.005	0.006	0.043	0.020	0.003	0.008	---	---	0.111	1978
1979	---	---	0	5.97	1.39	0.074	0	0	0	0	---	---	0.916	1979
1980	---	---	0	2.18	0.005	0	0	0	0	0	---	---	0.268	1980
1981	---	0	0.001	0.001	0	0	0	0	0	0.001	---	---	0	1981
1982	---	---	0	0.686	0.017	0.004	0.002	0.001	0	0.002	---	---	0.089	1982
1983	---	---	0.017	6.723	0.189	0.010	3.44	0.303	0.002	0.002	---	---	0.590	1983
1984	---	---	0.291	0.319	0.032	0.029	0.005	0.001	0.001	0.002	---	---	0.072	1984
1985	---	---	0.014	5.95	0.252	0.010	0.002	0	0	0.001	---	---	0.763	1985
1986	---	---	1.58	0.732	0.150	0.002	0.001	0	0	0.004	---	---	0.309	1986
MEAN	---	0	0.187	2.11	0.397	0.083	0.157	0.019	0.001	0.002	---	---	0.362	MEAN

LOCATION - LAT 51 44 46 N DRAINAGE AREA, 892 km²
LONG 103 52 27 W REGULATED

BIRCH CREEK NEAR ELFROS - STATION NO. 05MA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1963	1.21 B AT 23 00 CST ON MAR 22	1.09 B ON MAR 24	0 B ON MAR 1 *	727	1963
1964	0.9288 AT 02 30 CST ON APR 5	0.7588 ON APR 5	0 B ON MAR 1	633	1964
1965	7.87 AT 19 00 CST ON APR 11	5.47 ON APR 14	0 B ON MAR 1	3 300	1965
1966	28.1 AT 22 00 CST ON MAR 31	18.7 ON APR 1	0 B ON MAR 1	9 420	1966
1967	9.03 B ON APR 23	9.03 B ON APR 23	0 B ON MAR 1	8 670	1967
1968	7.05 B AT 21 00 CST ON MAR 7	3.62 B ON MAR 27	0 B ON MAR 1	3 280	1968
1969	27.0 B AT 20 00 CST ON APR 10	15.3 B ON APR 11	0 B ON MAR 1	7 100	1969
1970	28.9 AT 23 10 CST ON APR 10	23.4 B ON APR 10	0 B ON MAR 1	10 100	1970
1971	36.8 B AT 19 56 CST ON APR 10 *	25.7 B ON APR 10	0 B ON MAR 1	10 400	1971
1972	16.1 AT 23 01 CST ON APR 14	12.7 B ON APR 13	0 B ON MAR 1	8 500	1972
1973	1.32 AT 13 08 CST ON JUN 5	1.23 ON JUN 5	0 B ON MAR 1	2 000	1973
1974	20.7 B AT 19 23 CST ON APR 20	12.9 B ON APR 21	0 B ON MAR 1	15 000	1974
1975	35.4 AT 22 15 CST ON APR 28	28.9 ON APR 28 *	0 B ON MAR 1	23 800	1975
1976	31.7 AT 23 40 CST ON APR 8	26.1 ON APR 8	0.002 ON SEP 18	13 700	1976
1977	---	0.6718 ON APR 10	0 B ON MAR 1	238	1977
1978	---	4.25 A ON APR 10	0 B ON MAR 1	2 350	1978
1979	35.4 B AT 01 03 CST ON APR 24	26.5 B ON APR 24	0 B ON MAR 1	19 400	1979
1980	11.8 B AT 01 01 CST ON APR 6	7.72 ON APR 10	0 B ON MAR 1	5 680	1980
1981	---	0.0038 ON APR 17	0 B ON MAR 1	10.4	1981
1982	5.74 B AT 00 16 CST ON APR 14	3.75 B ON APR 14	0 B ON MAR 1	1 880	1982
1983	16.8 AT 19 21 CST ON JUL 21	12.6 ON JUL 21	0.0018 ON MAR 1	12 500	1983
1984	2.41 B AT 16 06 CST ON MAR 31	1.82 B ON MAR 26	0 B ON MAR 1	1 530	1984
1985	23.5 B AT 21 07 CST ON APR 2	14.0 B ON APR 5	0 B ON MAR 1	16 100	1985
1986	9.79 B AT 16 38 CST ON MAR 28	8.41 B ON MAR 28	0 B ON MAR 1	6 550	1986
				7 870	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIRCH RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	3.88	9.53	3.09	---	---	---	---	1979
1980	---	---	---	---	6.56	0.984	0.555	4.67	10.7	---	---	---	---	1980
1981	0.015	0.015	0.015	0.015	0.703	1.23	0.358	3.75	3.38	1.88	0.015	0.015	0.953	1981
1982	0.015	0.015	0.015	0.015	3.68	4.25	2.93	7.14	0.840	0.331	0.015	0.015	1.82	1982
1983	0.015	0.015	0.015	0.015	0.015	0.522	4.59	3.06	0.015	0.015	0.136	0	0.713	1983
1984	0.015	0.015	0.015	1.02	3.03	3.36	1.94	1.37	3.52	0.588	0.015	0.015	1.24	1984
MEAN	0.015	0.015	0.015	0.286	2.80	2.07	2.38	4.92	3.59	0.699	0.045	0.011	1.13	MEAN

LOCATION - LAT 53 50 00 N DRAINAGE AREA, 1 340 km²
LONG 101 57 23 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BIRCH RIVER NEAR MANITOBA BOUNDARY · STATION NO 05KH013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	---	---	---	---	1980
1981	---	10 8 DN AUG 24 *	0 015E ON JAN 1	30 100	1981
1982	---	10 6 DN AUG 2	0 015E ON JAN 1	51 100	1982
1983	---	6 50 ON JUL 4	0 ON OCT 17 *	22 500	1983
1984	5 77 AT 12 00 CST ON APR 24 *	5 05 ON APR 25	0 015B ON JAN 1	39 200	1984
				35 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIRLING CREEK NEAR PAYNTON · STATION NO 05EG006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	---	0	---	---	---	1970
1971	---	---	0	0 180	0 523	0 040	0 004	0	0	0	---	---	0 094	1971
1972	---	---	0	0 263	0 896	0 122	0	0	0	0	---	---	0 173	1972
1973	---	---	0	0 045	0 163	0 004	0	0	0	0	---	---	0 027	1973
1974	---	---	0	0 095	1 43	1 12	0 247	0 006	0	0 006	---	---	0 382	1974
1975	---	---	0	0 066	0 428	0 278	0 029	0 001	0	0	---	---	0 100	1975
1976	---	---	0	0 048	0 127	0	0 009	0	0	0	---	---	0 023	1976
1977	---	---	0	0	0 005	0 002	0	0	0	0	---	---	0 001	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0 016	0 002	0	0	0	0	0	---	---	0 002	1979
1980	---	---	0	0 005	0	0	0	0	0	0	---	---	0 001	1980
1981	---	---	0 001	0 004	0	0	0	0	0	0	---	---	0 001	1981
1982	---	---	0	0 002	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0 004	0	0	0	0	0	0	---	---	0 001	1983
1984	---	---	0 003	0 002	0 001	0	0	0	0	0	---	---	0 001	1984
1985	---	---	0	0 005	0	0	0	0	0	0	---	---	0 001	1985
1986	---	---	0 005	0 003	0	0	0	0	0	0	---	---	0 001	1986
MEAN	---	---	0 001	0 045	0 230	0 098	0 018	0	0	0	---	---	0 049	MEAN

LOCATION - LAT 53 04 45 N DRAINAGE AREA 426 km^2
LONG 108 59 00 W NATURAL FLOW

BIRLING CREEK NEAR PAYNTON · STATION NO 05EG006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	0 ON OCT 1 *	---	1970
1971	0 680 AT 10 30 CST ON APR 19	0 814 ON MAY 10	0B ON MAR 1	1 980	1971
1972	1 39 AT 05 44 CST ON MAY 2	1 33 ON MAY 8	0B ON MAR 1	3 670	1972
1973	---	0 609 ON APR 30	0B ON MAR 1	565	1973
1974	2 08 AT 18 34 CST ON MAY 28 *	2 05 ON MAY 28 *	0B ON MAR 1	7 660	1974
1975	0 801 AT 15 25 CST ON JUN 8	0 643 ON MAY 15	0B ON MAR 1	2 120	1975
1976	0 348 AT 04 00 CST ON MAY 1	0 343 ON MAY 1	0B ON MAR 1	432	1976
1977	---	0 031 ON MAY 20	0B ON MAR 1	19 9	1977
1978	0 E ON APR 19	0 B ON MAR 1	0B ON MAR 1	0	1978
1979	0 310 AT 11 57 CST ON APR 23	0 124 ON APR 26	0B ON MAR 1	48 8	1979
1980	0 132 AT 01 36 CST ON APR 18	0 050 ON APR 18	0B ON MAR 1	14 2	1980
1981	0 117 AT 10 41 CST ON APR 6	0 039 ON APR 6	0B ON MAR 1	13 0	1981
1982	0 046 AT 08 10 CST ON APR 20	0 018 ON APR 20	0B ON MAR 1	4 24	1982
1983	---	0 0358 ON APR 4	0B ON MAR 1	10 7	1983
1984	0 057 AT 19 08 CST ON MAY 30	0 027 ON MAR 30	0B ON MAR 1	13 1	1984
1985	0 055 AT 20 10 CST ON APR 16	0 047 ON APR 25	0B ON MAR 1	23 7	1985
1986	0 173 AT 16 18 CST ON MAR 29	0 057 ON MAR 29	0B ON MAR 1	22 4	1986
				1 040	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BISSET CREEK NEAR CHOICELAND - STATION NO. 05KE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	3.73	11.6	---	---	---	---	---	---	---	---	1956
1957	---	---	---	9.19	7.92	---	---	---	---	---	---	---	---	1957
1958	---	---	---	4.41	0.861	---	---	---	---	---	---	---	---	1958
1959	---	---	---	1.75	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	4.80	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	2.55	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	1.46	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	1.22	---	---	---	---	---	---	---	---	---	1963
1965	---	---	---	2.26	1.38	1.04	---	---	---	---	---	---	---	1965
1966	---	---	---	1.42	1.51	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.062	---	---	---	---	---	---	---	---	---	1967
1968	---	---	---	1.29	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	0.988	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	4.50	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	4.27	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	3.08	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	13.6	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.11	3.15	2.25	0.483	0	0	0	---	---	0.994	1975
1976	---	---	0	1.23	0.014	0.203	0.295	0.035	0	0.007	---	---	0.220	1976
1977	---	---	0	0	0	0	0	0.016	0.141	0.019	---	---	0.022	1977
1978	---	---	0	2.30	1.00	0.476	0.194	0.012	0.037	0.044	---	---	0.503	1978
1979	---	---	0	5.87	7.73	3.08	0.427	0	0	0	---	---	2.13	1979
1980	---	---	0	0.713	0.141	0	0	0	0	0.005	---	---	0.108	1980
1981	---	---	0.004	0.189	0.135	0.058	0.030	0.003	0	0	---	---	0.050	1981
1982	---	---	0	1.57	0.155	0.026	0.032	0.113	0.093	0.200	---	---	0.269	1982
1983	---	---	0	3.07	1.74	0.837	0.794	0.139	0.174	0.187	---	---	0.861	1983
1984	---	---	0	3.59	5.39	4.94	0.421	0.022	0.023	0.206	---	---	1.81	1984
1985	---	---	0.023	14.3	5.61	4.82	2.10	0.207	0.084	0.059	---	---	3.38	1985
MEAN	---	---	0.002	3.41	3.01	1.49	0.434	0.050	0.050	0.065	---	---	0.940	MEAN

LOCATION - LAT 53 27 11 N DRAINAGE AREA, 539 km²
LONG 104 34 07 W NATURAL FLOW

BISSET CREEK NEAR CHOICELAND - STATION NO. 05KE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	8.50 ON APR 29	0 B ON MAR 1 *	21 100	1975
1976	---	6.43 B ON APR 8	0 B ON MAR 1	4 850	1976
1977	---	0.252 ON SEP 16	0 B ON MAR 1	459	1977
1978	8.37 AT 05 04 CST ON APR 22	8.18 ON APR 22	0 B ON MAR 1	10 600	1978
1979	29.1 B AT 05 28 CST ON APR 24	24.7 B ON APR 24	0 B ON MAR 1	45 000	1979
1980	2.78 AT 10 15 CST ON APR 17	2.53 ON APR 17	0 B ON MAR 1	2 240	1980
1981	---	0.470E ON MAY 1	0 B ON MAR 1	1 050	1981
1982	8.85B AT 11 20 CST ON APR 20	7.92 B ON APR 20	0 B ON MAR 1	5 700	1982
1983	16.3 B AT 10 40 CST ON APR 23	15.0 B ON APR 23	0 B ON MAR 1	18 200	1983
1984	17.0 AT 11 38 CST ON APR 10	16.1 ON APR 10	0 B ON MAR 1	38 300	1984
1985	43.7 AT 21 30 CST ON APR 20 *	41.3 ON APR 21 *	0.016 ON OCT 14	71 400	1985
				19 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLACKTAIL CREEK AT GARISSERE'S RANCH - STATION NO. 11AC011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.008	0.003	0.001	0	0	0.001	---	---	---	1910
1911	---	---	---	---	---	---	0.005	0	0	0	---	---	---	1911
MEAN	---	---	---	---	0.008	0.003	0.003	0	0	0.001	---	---	---	MEAN

LOCATION - LAT 49 30 00 N DRAINAGE AREA, 31.3 km²
LONG 109 05 00 W NATURAL FLOW

BLACKTAIL CREEK AT GARISSERE'S RANCH - STATION NO. 11AC011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 15 *	---	1910
1911	---	---	0 ON JUL 19	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOGGY CREEK NEAR LUMSDEN - STATION NO. 05JF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	0.014	0.015	0.004	0.010	0.011	---	---	---	---	---	---	1945
1946	---	---	0.042	0.021	0.009	0.011	---	---	---	---	---	---	---	1946
1947	---	---	0	2.23	0.033	0.014	---	---	---	---	---	---	---	1947
1948	---	---	0	2.20	0.203	0.022	---	---	---	---	---	---	---	1948
1949	---	---	0.059	0.123	0.159	0.036	---	---	---	---	---	---	---	1949
1950	---	---	0.024	1.17	0.105	0.027	---	---	---	---	---	---	---	1950
1951	---	---	---	---	---	1.50	---	---	---	---	---	---	---	1951
1953	---	---	0.584	1.08	0.051	0.055	---	---	---	---	---	---	---	1953
1954	---	---	0.021	0.327	0.028	0.191	---	---	---	---	---	---	---	1954
1955	---	---	0.140	3.43	3.13	0.061	0.132	0.006	0.004	0.008	---	---	0.860	1955
1956	---	---	0	5.01	0.280	0.473	0.083	0.006	0.004	0.015	---	---	0.720	1956
1957	---	---	1.40	0.807	0.033	0.007	0.003	0.007	0.003	0.005	---	---	0.283	1957
1958	---	---	0.085	0.154	0.008	0.002	0.003	0	0.003	0.008	---	---	0.033	1958
1959	---	---	0.087	0.040	0.012	0.018	0.010	0	0.006	0.013	---	---	0.023	1959
1960	---	---	0.153	1.75	0.088	1.22	0.183	0.008	0.006	0.007	---	---	0.421	1960
1961	---	---	0.048	0.021	0.023	0.006	0.002	0.001	0.003	0.008	---	---	0.014	1961
1962	---	---	0.011	0.078	0.011	0.007	0.004	0.001	0.002	0.006	---	---	0.015	1962
1963	---	---	0.055	0.031	0.008	0.015	0.058	0.008	0.006	0.008	---	---	0.023	1963
1964	---	---	0.001	0.088	0.013	0.002	0.041	0.072	0.009	0.022	---	---	0.029	1964
1965	---	---	---	---	---	0.126	0.059	0	0.002	0.003	---	---	---	1965
1966	---	---	---	---	---	0.018	0.008	0.011	0.004	0.006	---	---	---	1966
1967	---	---	---	---	0.080	0.006	0.002	0.002	0.010	0.005	---	---	---	1967
1968	---	---	0.277	0.038	0.005	0.016	0.003	0	0	0	---	---	0.043	1968
1969	---	---	0	2.60	0.013	0.001	0.001	0	0	0.006	---	---	0.321	1969
1970	---	---	0.004	1.13	0.254	0.001	0	0	0	0	---	---	0.171	1970
1971	---	---	0	4.30	0.132	0.040	0.012	0	0	0.001	---	---	0.550	1971
1972	---	---	0.716	0.574	0.017	0.007	0.005	0.002	0.008	0.005	---	---	0.188	1972
1973	---	---	0.013	0.010	0.008	0.015	0.018	0.002	0.006	0.004	---	---	0.009	1973
1974	---	---	0	5.27	0.354	0.048	0.008	0.011	0.010	0.010	---	---	0.701	1974
1975	---	---	0	1.42	0.222	3.86	0.458	0.014	0.012	0.014	---	---	0.737	1975
1976	---	---	0.650	3.95	0.022	0.374	0.018	0.004	0.010	0.006	---	---	0.520	1976
1977	---	---	0.008	0.016	0.014	0.017	0.023	0.007	0.017	0.009	---	---	0.014	1977
1978	---	---	0.127	0.347	0.045	0.008	0.009	0.010	0.013	0.008	---	---	0.070	1978
1979	---	---	0.006	2.54	0.204	0.018	0.013	0.003	0.005	0.006	---	---	0.343	1979
1980	---	---	0.034	0.770	0.011	0.004	0.001	0.002	0.001	0.001	---	---	0.101	1980
1981	---	0.002	0.010	0.004	0.002	0.003	0	0	0	0.001	---	---	0.003	1981
1982	---	---	0	3.31	0.033	0.003	0.002	0	0	0.004	---	---	0.411	1982
1983	---	---	0.003	0.272	0.007	0.006	0.797	0.028	0.008	0.005	---	---	0.142	1983
1984	---	---	0.314	0.048	0.007	0.007	0.014	0.001	0.001	0.003	---	---	0.050	1984
1985	---	---	0.589	0.665	0.027	0.010	0.004	0.003	0.007	0.004	---	---	0.184	1985
1986	---	---	0.357	0.028	0.194	0.002	0.002	0.001	0.001	0.005	---	---	0.074	1986
MEAN	---	0.002	0.158	1.24	0.154	0.202	0.059	0.007	0.005	0.007	---	---	0.245	MEAN

LOCATION - LAT 50 35 55 N DRAINAGE AREA, 401 km^2
LONG 104 49 05 W REGULATED

REMARKS - PRIOR TO APR 20 1948, RECORDS WERE OBTAINED ABOUT 5.4 km UPSTREAM

BOGGY CREEK NEAR LUMSDEN - STATION NO 05JF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	...	...	...	...	1945
1946	...	...	0 B ON MAR 1 *	...	1946
1947	...	11.9 ON APR 13	0 B ON MAR 1	...	1947
1948	...	10.5 ON APR 22	0 B ON MAR 1	...	1948
1949	...	2.83 E ON MAY 30	0 B ON MAR 1	...	1949
1950	...	8.90 B ON APR 17	0 B ON MAR 1	...	1950
1951	...	...	...	...	1951
1952	...	8.04 B ON APR 2	0 B ON MAR 1	...	1952
1954	...	1.16 ON APR 16	0 B ON MAR 1	...	1954
1955	...	24.1 E ON MAY 3	0.003 ON SEP 10	18 200	1955
1956	...	41.8 ON APR 15	0 B ON MAR 1	15 200	1956
1957	...	7.84 B ON MAR 24	0 B ON MAR 1	5 880	1957
1958	...	1.10 B ON MAR 26	0 B ON MAR 1	883	1958
1959	...	0.9388 ON MAR 23	0 B ON MAR 1	490	1959
1960	14.9 AT 19:00 CST ON JUN 26	13.2 ON JUN 28	0 B ON MAR 1	8 800	1960
1961	1.80 AT 02:00 CST ON MAY 31	0.374 ON MAY 31	0 B ON MAR 30	290	1961
1962	...	0.3118 ON APR 6	0 B ON MAR 1	313	1962
1963	0.852 AT 01:00 CST ON JUL 10	0.575 ON JUL 10	0 B ON MAR 1	482	1963
1964	...	0.467 ON AUG 2	0 B ON MAR 1	605	1964
1965	2.42 AT 22:00 CST ON JUN 26	...	...	...	1965
1966	0.176 AT 14:00 CST ON JUN 27	...	...	...	1966
1967	...	...	...	...	1967
1968	1.25 B AT 06:00 CST ON MAR 11	1.11 B ON MAR 11	0 ON JUN 1	...	1968
1969	29.7 AT 12:30 CST ON APR 10	19.8 B ON APR 10	0 ON JUL 26	906	1969
			0 B ON MAR 1	6 790	
1970	9.97 B AT 15:50 CST ON APR 8	7.62 B ON APR 8	0 B ON MAR 1	3 610	1970
1971	43.0 E AT 08:30 CST ON APR 11	39.6 E ON APR 11	0 B ON MAR 1	11 700	1971
1972	9.66 B AT 18:28 CST ON MAR 23	5.64 B ON MAR 24	0 B ON MAR 1	3 520	1972
1973	0.195 AT 11:31 CST ON SEP 26	0.139 ON JUL 2	0 ON JUL 22	197	1973
1974	103 AT 00:10 CST ON APR 20 *	26.9 ON APR 19	0 B ON MAR 1	14 900	1974
1975	75.5 AT 06:37 CST ON JUN 27	55.6 ON JUN 27 *	0 B ON MAR 1	15 600	1975
1976	31.1 B AT 12:46 CST ON APR 2	22.5 B ON APR 2	0 ON AUG 31	13 100	1976
1977	0.130 AT 21:58 CST ON MAY 24	0.057 ON JUL 18	0.001 ON OCT 14	291	1977
1978	4.30 B AT 17:49 CST ON APR 1	2.04 B ON APR 1	0 B ON MAR 1	1 490	1978
1979	22.6 B AT 12:44 CST ON APR 22	15.4 B ON APR 21	0 ON AUG 13	7 260	1979
1980	6.22 B AT 18:04 CST ON APR 2	4.77 B ON APR 2	0.0018 ON MAR 1	2 130	1980
1981	0.0188 AT 15:05 CST ON MAR 11	0.0126 ON MAR 11	0 ON JUL 3	53.5	1981
1982	33.6 B AT 11:08 CST ON APR 16	26.2 B ON APR 16	0 B ON MAR 1	8 690	1982
1983	8.51 AT 10:28 CST ON JUL 11	7.84 ON JUL 11	0.0018 ON MAR 5	2 890	1983
1984	5.95 B AT 15:04 CST ON MAR 26	3.82 B ON MAR 26	0 ON AUG 10	1 050	1984
1985	5.88 B AT 18:45 CST ON MAR 27	3.62 B ON MAR 27	0 ON JUL 24	3 480	1985
1986	2.25 B AT 18:17 CST ON MAR 18	1.72 B ON MAR 19	0 B ON MAR 1	1 580	1986
MEAN				5 180	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOLINGBROKE DITCH NEAR EASTEND - STATION NO 11AC021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	...	...	0	0	0	0.001	0	0	0	0	...	...	0	1914
1915	...	...	0	0	0	0	0	0	0	0	...	...	0	1915
1916	...	...	0	0	0	0	0	0	0	0	...	...	0	1916
1917	...	...	0	0	0	0	0	0	0	0	...	...	0	1917
1918	...	...	0	0	0	0	0	0	0	0	...	...	0	1918
1919	...	...	0	0	0	0	0	0	0	0	...	...	0	1919
1920	...	...	0	0	0	0	0	0	0	0	...	...	0	1920
1921	...	...	...	...	...	...	...	...	...	...	...	...	...	1921
1922	...	...	0	0	0	0.006	0	0	0	0	...	...	0.001	1922
1923	...	...	0	0	0	0.023	0	0	0	0	...	...	0.003	1923
1924	...	...	0	0	0	0.003	0	0	0	0	...	...	0	1924
1925	...	...	0	0	0.003	0.008	0.001	0	0	0	...	...	0.001	1925
1926	...	...	0	0	0	0.005	0.005	0	0	0	...	...	0.001	1926
1927	...	...	0	0	0	0	0.004	0	0	0	...	...	0.001	1927
1928	...	...	0	0	0.005	0.004	0.004	0	0	0	...	...	0.002	1928
1929	...	...	0	0	0	0.008	0.004	0	0	0	...	...	0.002	1929
1930	...	...	0	0	0	0.002	0.005	0	0	0	...	...	0.001	1930
1931	...	...	0	0	0	0.004	0	0	0	0	...	...	0	1931
MEAN	...	...	0	0	0	0.004	0.001	0	0	0	...	...	0.001	MEAN

LOCATION - LAT 49 32 50 N
LONG 103 58 20 W
REGULATED SINCE 1914

REMARKS - ESTIMATED ANNUAL DIVERSIONS IN CUBIC DECAMETRES FOR 1932-39 ARE 18 5, 15, 10, 10, 10, 10, 6.2, AND 6.2

BOLINGBROKE DITCH NEAR BASTEDO - STATION NO 11AC021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	0.005 ON JUN 13	0 ON MAR 1 *	2.33	1914
1915	---	---	---	---	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0 ON MAR 1	0 ON MAR 1	0	1920
1921	---	---	0 ON JUL 21	---	1921
1922	---	0.015 ON JUN 28	0 ON MAR 1	15.5	1922
1923	---	0.058 ON JUN 14 *	0 ON MAR 1	60.5	1923
1924	---	0.021 ON JUN 8	0 ON MAR 1	7.84	1924
1925	---	0.020 ON JUN 11	0 ON MAR 1	31.5	1925
1926	---	0.011 ON JUL 2	0 ON MAR 1	25.2	1926
1927	---	0.011 ON JUL 10	0 ON MAR 1	11.3	1927
1928	---	0.056 ON JUL 17	0 ON MAR 1	34.0	1928
1929	---	0.020 ON JUN 19	0 ON MAR 1	33.9	1929
1930	---	0.011 ON JUL 1*	0 ON MAR 1	17.4	1930
1931	---	0.006 ON JUN 3	0 ON MAR 1	8.07	1931

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEAN 14.9

BONE CREEK AT LEWIS RANCH - STATION NO 05HD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.048	0.061	0.052	0.186	---	---	---	1908
1909	---	---	---	0.186	0.174	0.183	0.073	0.043	0.044	0.043	---	---	0.102	1909
1910	---	---	---	0.071	0.069	0.062	0.033	0.038	0.043	0.042	---	---	0.051	1910
1911	---	---	---	0.642	0.071	0.055	0.037	0.036	0.071	0.044	---	---	0.135	1911
1912	---	---	---	0.995	0.183	0.084	0.058	0.045	0.052	0.048	---	---	0.302	1912
1913	---	---	---	0.408	0.080	0.063	0.039	0.032	0.036	0.041	---	---	0.089	1913
1914	---	---	---	0.187	0.077	0.037	0.015	0.018	0.033	0.044	---	---	0.065	1914
1915	---	---	---	0.139	0.069	0.052	0.042	0.025	0.029	0.053	---	---	0.050	1915
1916	---	---	---	0.131	0.048	0.047	0.040	0.040	0.045	0.058	---	---	0.058	1916
MEAN	---	---	---	0.340	0.097	0.079	0.043	0.037	0.048	0.063	---	---	0.097	MEAN

LOCATION - LAT 49 41 42 N DRAINAGE AREA 38.8 km^2
LONG 100 54 55 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1914 AND 1916

BONE CREEK AT LEWIS RANCH - STATION NO 05HD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	1.25 ON JUN 30	0.042 ON JUL 15	1 810	1909
1910	---	0.139 ON MAY 15	0.029 ON JUL 15	840	1910
1911	---	3.57 ON APR 10	0.023 ON AUG 18	3 490	1911
1912	---	4.25 ON APR 11 *	0.031 ON JUN 23	3 760	1912
1913	---	1.30 ON APR 5	0.021 ON JUL 21	1 830	1913
1914	---	0.823 ON APR 12	0.009 ON JUL 27 *	1 029	1914
1915	---	1.02 ON APR 3	0.015 ON MAY 5	1 110	1915
1916	---	0.780 ON APR 13	0.027 ON JUL 15	1 230	1916

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEAN 1 780

BOWSER DITCH NEAR BARNARD - STATION NO 11AE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	0.037	0.083	0	0.010	0.043	---	---	---	---	---	---	---	1921
1926	---	---	0.004	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	---	0.181	---	---	---	---	---	---	---	---	---	1927
1928	---	---	0.118	0.003	0	0.143	---	---	---	---	---	---	---	1928
1929	---	---	0.008	0.075	---	0.030	0.003	---	---	---	---	---	---	1929
MEAN	---	0.037	0.070	0.080	0.005	0.068	0.003	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 00 00 N
LONG 100 48 00 W REGULATED

ROSELOOR CREEK NEAR WALSH - STATION NO. 05AH001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	0.396	0.230	0.101	0.051	0.229	0	0.287	0.017	---	---	---	1911
1912	---	---	---	0.488	0.094	0.028	0	0	0	0	---	---	---	1912
1913	---	---	---	0.277	0.010	0	0	0	0	0	---	---	---	1913
1914	---	---	0.133	0.169	0.011	0	0	0	0	0.086	---	---	---	1914
1915	---	---	0.515	0.237	0.055	0.906	0.048	0	0	0	---	---	---	1915
1916	---	1.25	0.953	0.031	0.867	1.08	0.149	0.091	0	0.087	---	---	0.435	1916
1917	---	---	0.159	4.13	0.806	0.111	0	0	0	0	---	---	---	1917
1918	---	---	1.87	0.111	0.010	0	0	0	0	0	---	---	---	1918
1919	---	---	0.003	0.078	0	0	0	0	0	0	---	---	---	1919
1950	---	---	---	---	---	0	0	0.004	0	0	---	---	---	1950
1951	---	---	1.36	2.16	0.339	0.213	0.052	0.002	0.151	0	---	---	---	1951
1952	---	0.861	2.75	2.46	0.128	0	0	0	0	0	---	---	0.885	1952
1953	---	---	0.650	0.659	0.478	1.48	0.001	0	0	0	---	---	---	1953
1954	---	0.004	0	0.709	0.184	0.176	0.001	0	0	0	---	---	0.125	1954
1955	---	---	1.13	4.84	0.484	0.025	1.14	0	0	0	---	---	---	1955
1956	---	---	1.90	0.268	0.062	0	0	0.304	0	0	---	---	---	1956
1957	---	0.985	0.864	0.487	0.031	0	0	0	0	0	---	---	0.311	1957
1958	---	---	0.354	0.363	0	0	0	0	0	0	---	---	---	1958
1959	---	---	0.804	0.103	0.002	0.009	0.002	0	0	0	---	---	---	1959
1960	---	---	0.385	0.040	0.169	0	0	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.114	0.002	0	0.022	0	0	0	0	---	---	---	1962
1963	---	---	0.014	0	0	0.003	0.119	0	0	0	---	---	---	1963
1964	---	---	0	0	0.246	0.083	0	0	0	0	---	---	---	1964
1965	---	---	0.048	1.83	0.033	0.021	0.043	0	0	0	---	---	---	1965
1966	---	---	0.719	0.230	0.111	0	0	0	0	0	---	---	---	1966
1967	---	---	1.38	0.788	2.39	0.030	0	0	0	0	---	---	---	1967
1968	---	---	0.047	0.035	0.011	0	0	0	0	0	---	---	---	1968
1969	---	---	1.12	0.268	0	0	0	0	0	0	---	---	---	1969
1970	---	---	0.330	0.471	0.116	0.041	0	0	0	0	---	---	---	1970
1971	---	1.78	0.395	0.369	0.003	0.006	0	0	0	0	---	---	0.285	1971
1972	---	---	0.632	0	0	0	0	0	0	0	---	---	---	1972
1973	---	0.003	0.003	0.048	0.000	0	0	0	0	0	---	---	0.000	1973
1974	---	---	0.204	0.118	0.216	0.005	0	0	0	0	---	---	---	1974
1975	---	---	0	0.620	1.31	0.632	0.025	0	0	0	---	---	---	1975
1976	---	---	0.476	0.065	0	0.041	0	0	0	0	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	---	1977
1978	---	---	0.746	0.343	0.019	0	0	0	0	0	0	---	---	1978
1979	---	---	1.38	0.386	0.187	0	0.006	0	0	0	---	---	---	1979
1980	---	---	0.080	0	0	0	0	0	0	0	---	---	---	1980
1981	---	0.085	0	0	0	0.118	0	0	0	0	---	---	0.010	1981
1982	---	0.186	0.238	0.585	0.077	0.894	0.001	0	0	0	---	---	0.182	1982
1983	---	0.021	0.009	0.011	0.216	0	0.009	0	0	0	---	---	0.040	1983
1984	---	0.001	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	0.005	0.085	0.902	0.061	0	0	0	0	0	---	---	0.074	1985
1986	---	0.228	0.115	0	0.158	0	0	0	0.705	0.070	0.167	---	0.146	1986
MEAN	---	0.613	0.480	0.638	0.193	0.122	0.041	0.009	0.028	0.005	0.076	---	0.193	MEAN

LOCATION - LAT 49 07 30 N DRAINAGE AREA, 319 km²
LONG 109 59 19 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916, 1957, 1963, 1971

BOKELOER CREEK NEAR WALSH - STATION NO 05AH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	2.80 ON JUL 2	0 ON MAR 1 *	---	1911
1912	---	---	0 ON JUN 12	---	1912
1913	---	---	0 ON APR 28	---	1913
1914	---	1.33 ON OCT 10	0 ON MAR 1	---	1914
1915	---	4.87 ON JUN 5	0 ON MAR 1	---	1915
1916	---	9.32 E ON FEB 15	0 ON FEB 1	10 100	1916
1917	---	12.8 ON APR 5	0 ON MAR 1	---	1917
1918	---	8.51 ON MAR 17	0 ON MAR 1	---	1918
1919	---	0.515 ON APR 20	0 ON MAR 1	---	1919
1950	---	---	0 ON MAY 20	---	1950
1951	11.0 AT 16 05 MST ON MAR 30	9.71 ON MAR 30	0.0 ON MAR 1	---	1951
1952	---	23.2 E ON MAR 29	0.0 ON FEB 1	15 300	1952
1953	---	17.1 ON JUN 4	0.0 ON MAR 1	---	1953
1954	5.87 E ON APR 6	5.15 E ON APR 5	0.0 ON FEB 1	2 980	1954
1955	101 AT 02 00 MST ON APR 10 *	47.6 ON APR 10 *	0.0 ON MAR 1	---	1955
1956	22.6 E ON MAR 20	15.3 E ON MAR 20	0.0 ON MAR 1	---	1956
1957	---	5.04 E ON FEB 28	0.0 ON FEB 1	4 970	1957
1958	2.21 AT 09 00 MST ON MAR 31	2.18 ON MAR 31	0 ON MAR 1	---	1958
1959	3.45 AT 22 00 MST ON MAR 2	2.46 ON MAR 3	0 ON APR 23	---	1959
1960	---	2.18 E ON MAR 19	0.0 ON MAR 19	---	1960
1961	0 ON MAR 1	0 ON MAR 1	0 ON MAR 1	---	1961
1962	1.29 E AT 19 00 MST ON MAR 21	0.8919 ON MAR 22	0.0 ON MAR 1	---	1962
1963	---	5.10 ON FEB 6	0.0 ON MAR 1	---	1963
1964	3.51 AT 05 00 MST ON MAY 9	2.80 ON MAY 9	0 ON MAR 1	---	1964
1965	5.61 AT 10 00 MST ON JUN 28	5.17 ON JUN 28	0.0 ON MAR 1	---	1965
1966	---	2.55 E ON MAR 11	0.0 ON MAR 27	---	1966
1967	18.3 AT 13 30 MST ON MAY 7	11.2 ON MAY 8	0.0 ON FEB 27	---	1967
1968	---	0.2218 ON MAR 2	0 ON FEB 26	---	1968
1969	13.6 E AT 18 30 MST ON MAR 18	10.6 E ON MAR 18	0.0 ON MAR 1	---	1969
1970	2.85 AT 15 40 MST ON APR 5	1.88 ON APR 5	0.0 ON FEB 23	---	1970
1971	---	14.2 E ON FEB 15	0.0 ON FEB 1	5 240	1971
1972	5.13 AT 03 30 MST ON MAR 12	3.96 ON MAR 12	0.0 ON MAR 1	---	1972
1973	0.881 AT 19 00 MST ON APR 28	0.345 ON APR 29	0.0 ON FEB 1	178	1973
1974	---	1.95 E ON MAR 30	0.0 ON FEB 25	---	1974
1975	21.3 AT 06 30 MST ON MAY 7	13.5 ON MAY 7	0.0 ON MAR 1	---	1975
1976	8.06 E AT 03 30 MST ON MAR 18	3.06 E ON MAR 19	0.0 ON FEB 25	---	1976
1977	---	0 A ON FEB 22	0.0A ON FEB 22	---	1977
1978	---	3.11 E ON MAR 10	0.0 ON MAR 1	---	1978
1979	---	8.07 E ON MAR 8	0.0 ON FEB 25	---	1979
1980	---	0.5508 ON MAR 18	0.0 ON MAR 5	---	1980
1981	1.93 AT 05 40 MST ON JUN 17	1.38 ON JUN 17	0.0E ON FEB 1	435	1981
1982	5.80 AT 01 05 MST ON JUN 3	5.01 ON JUN 2	0.0 ON FEB 1	4 540	1982
1983	3.00 AT 03 30 MST ON JUL 23	1.81 ON JUL 23	0.0 ON FEB 1	936	1983
1984	---	0.0048 ON FEB 8	0.0 ON FEB 14	2.85	1984
1985	2.96 AT 07 45 MST ON APR 4	2.08 ON APR 4	0.0 ON FEB 1	1 740	1985
1986	19.4 AT 09 30 MST ON SEP 25	11.3 ON SEP 25	0.0 ON FEB 1	3 450	1986
				4 320	MEAN

0 - MANUAL GAUGE
[ ] REFERENCE (NOTE)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR - STATION NO 05HE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0.237	0	0	0	0.881	0	---	---	1968
1969	---	---	---	---	0	0.277	0.400	0.418	0	0	0	---	---	1969
1970	---	---	---	---	---	0.084	0.432	0.239	---	---	---	---	---	1970
1971	---	---	0	0	0.182	0	0.036	0.399	0	0	---	---	0.078	1971
1972	---	---	0	0	0	0	0	0	0.870	0.550	---	---	0.153	1972
1973	---	---	0	0	0	0	0	0.358	0.444	0	---	---	0.100	1973
1974	---	---	---	---	0.099	0.185	0	0.036	0.335	---	---	---	---	1974
1975	---	---	---	---	---	---	---	---	0.368	0.227	---	---	---	1975
1976	---	---	---	0.230	0.185	0.185	---	0.120	0.256	---	---	---	---	1976
1977	---	---	---	---	0.128	0.328	0	0.103	0.371	---	---	---	---	1977
1978	---	---	0	0	0	0	0.058	0.192	0.803	0.174	---	---	0.115	1978
1979	---	---	0	0	0	0	0	0.083	0.576	0.020	---	---	0.085	1979
1980	---	---	0	0	0	0	0	0.332	0.418	0	---	---	0.093	1980
1981	---	---	0	0	0.017	0	0.230	0.521	0.440	0	---	---	0.151	1981
1982	---	---	0	0	0.093	0.084	0.159	0.285	0.397	0	---	---	0.124	1982
1983	---	---	0	0	0	0.031	0.347	0.230	0	0	---	---	0.077	1983
1984	---	---	0	0	0.280	0.437	0.284	0.449	0.329	0	---	---	0.216	1984
MEAN	---	---	0	0.021	0.081	0.114	0.128	0.235	0.318	0.127	0	---	0.118	MEAN

LOCATION - LAT 51 04 35 N
LONG 106 13 50 W
REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR - STATION NO 05HG010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.957 ON JUN 18	0 ON MAY 1 *	---	1968
1969	---	0.780 ON AUG 25	0 ON MAY 1	---	1969
1970	---	0.878E ON AUG 8	0 ON JUN 1	---	1970
1971	---	0.663 ON MAY 15	0 ON MAR 1	1 500	1971
1972	---	1.23 ON OCT 15 *	0 ON MAR 1	3 210	1972
1973	---	0.883 ON SEP 20	0E ON MAR 1	2 110	1973
1974	---	0.906E ON MAY 29	0E ON MAY 1	---	1974
1975	---	0.515 ON SEP 19	0 ON SEP 18	---	1975
1976	---	0.770 ON JUN 17	0 ON APR 1	---	1976
1977	---	0.943 ON JUN 8	0 ON MAY 1	---	1977
1978	---	1.08 ON SEP 11	0 ON MAR 1	2 430	1978
1979	---	0.771 ON SEP 10	0 ON MAR 1	1 790	1979
1980	---	0.678 ON SEP 5	0 ON MAR 1	1 970	1980
1981	---	0.985 ON AUG 11	0 ON MAR 1	3 190	1981
1982	---	0.793 ON SEP 18	0 ON MAR 1	2 638	1982
1983	---	0.516 ON AUG 12	0 ON MAR 1	1 630	1983
1984	---	0.702E ON SEP 22	0 ON MAR 1	4 560	1984
				2 510	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRANIFF DITCH NEAR PIAPOT - STATION NO 05HA036

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	0	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0	0	0.090	0.037	0	0	0	0	---	---	0.012	1919
1920	---	---	0	0	0.077	0.074	0.005	0	0	0	---	---	0.019	1920
1921	---	---	0	0	0.023	0.082	0	0	0	0	---	---	0.011	1921
MEAN	---	---	0	0	0.053	0.058	0.001	0	0	0	---	---	0.014	MEAN

LOCATION - LAT 49 55 17 N
LONG 109 07 45 W REGULATED

BRANIFF DITCH NEAR PIAPOT - STATION NO 05HA036

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 OR ON JUN 23 *	---	1911
1912	---	---	0 OR ON JUN 19 *	---	1912
1915	---	---	0R ON APR 3	---	1915
1916	---	---	0R ON AUG 29	---	1916
1917	---	---	0 OR ON JUN 19	---	1917
1918	---	---	0R ON MAY 2	---	1918
1919	---	0.221 ON MAY 23 *	0 OR ON MAR 1	258	1919
1920	---	0.091 ON MAY 6	0 OR ON MAR 1	411	1920
1921	---	0.074 ON JUN 14	0 OR ON MAR 1	223	1921
				297	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1988

BREED CREEK NEAR BUZZARD'S RANCH - STATION NO 11AC026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	0.487	0.010	0.048	0	0	0	0	---	---	---	1914
1915	---	---	---	0.449	0.029	---	---	0	0	0	---	---	---	1915
1916	---	---	---	3.42	0.473	---	---	---	---	---	---	---	---	1916
MEAN	---	---	---	1.45	0.171	0.048	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 06 10 N DRAINAGE AREA, 300 km^2
LONG 107 24 24 W NATURAL FLOW

BREED CREEK NEAR BUZZARD'S RANCH STATION NO 11AC035

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 00 MAY 24 *	---	1914
1915	---	3 68 ON APR 3	0 00 MAY 3	--	1915
1916	---	10 3 R ON MAR 28 *	---	--	1916
				---	MEAN

R - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDGE CREEK AT GULL LAKE STATION NO 05HA015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0 005	0	0	0	0	0	---	---	---	1911
1912	---	---	---	---	---	0 031	0 001	0	0	0	---	---	---	1912
1913	---	---	---	---	---	0	0	0	0	0	---	---	---	1913
1914	---	---	---	---	0	0 022	0	0	0	0	---	---	---	1914
1915	---	---	---	0 027	0	0	0 001	0	0	0	---	---	---	1915
1916	---	---	1 73	0 818	0 115	0 594	0 775	0 078	0 001	0 018	---	---	0 491	1916
1917	---	---	0	3 54	0 857	0 027	0	0	0	0	---	---	0 557	1917
1918	---	---	1 76	0 842	0 005	0	0	0	0	0	---	---	0 303	1918
1919	---	---	0 007	0 081	0	---	---	---	---	---	---	---	---	1919
1920	---	---	0 353	0 321	0 034	0 018	0	0	0	0	---	---	0 090	1920
1921	---	---	0 103	0 020	0	0	0	0	0 005	0	---	---	0 018	1921
1922	---	---	0 330	1 58	0 330	0 384	0 012	0 002	0 005	0	---	---	0 311	1922
1983	---	---	0 218	0 019	0	0	0 006	0	0	0	---	---	0 030	1983
1984	---	---	0 008	0 003	0	0	0	0	0	0	---	---	0 001	1984
1985	---	---	0 020	1 91	0 078	0 056	0 028	0	0	0	---	---	0 256	1985
1986	---	---	0 882	0 276	0 042	0 030	0 011	0 001	0	0	---	---	0 128	1986
1987	---	---	0 784	1 88	1 14	0 040	0	0	0	0	---	---	0 474	1987
1988	---	---	0 080	0	0	0	0	0	0	0	---	---	0 010	1988
1989	---	---	0 298	1 43	0 116	0	0 023	0	0	0	---	---	0 230	1989
1970	---	---	0 555	0 959	0 138	0 010	0	0	0	0	---	---	0 304	1970
1971	---	---	0 420	1 51	0 174	0 003	0	0	0	0	---	---	0 280	1971
1972	---	---	0 144	0	0 002	0	0	0	0	0	---	---	0 019	1972
1973	---	---	0 048	0 001	0	0	0	0	0	0	---	---	0 006	1973
1974	---	---	0 177	0 419	0 312	0 092	0 012	0	0	0	---	---	0 113	1974
1975	---	---	0 001	0 459	0 944	0 048	0	0	0	0	---	---	0 185	1975
1976	---	0 003	0 788	0 257	0 019	0 002	0	0	0	0	---	---	0 131	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0 274	0 171	0 056	0 005	0	0	0	0	---	---	0 083	1978
1979	---	---	0 294	0 783	0 299	0 005	0	0	0	0	---	---	0 192	1979
1980	---	---	0 022	0 009	0	0	0	0	0	0	---	---	0 004	1980
1981	---	0 061	0	0	0	0 002	0	0	0	0	---	---	0	1981
1982	---	0 101	0 158	0 543	0 089	0 792	0 305	0 031	0	0	---	---	0 235	1982
1983	---	---	0 179	0 889	0 246	0 053	0	0	0	0	---	---	0 182	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0 279	0 431	0 074	0 001	0	0	0	0	---	---	0 096	1985
1986	---	0 130	0 084	0 008	0 042	0 001	0 014	0	0	0	---	---	0 030	1986
MEAN	---	0 074	0 316	0 581	0 149	0 089	0 034	0 002	0	0	---	---	0 152	MEAN

LOCATION - LAT 50 05 35 N DRAINAGE AREA 378 km^2
LONG 108 29 38 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1988

BRIDGE CREEK AT GULL LAKE - STATION NO 05HA015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON MAY 11 *	---	1911
1912	---	---	0 ON JUN 27	---	1912
1913	---	---	0 ON MAY 31	---	1913
1914	---	---	0 ON APR 16	---	1914
1915	---	1 93 ON MAR 24	0 ON APR 18	---	1915
1916	---	3 88 ON MAR 27	0 ON AUG 8	10 400	1916
1917	---	7 14 E ON APR 13 *	0E ON MAR 1	11 800	1917
1918	---	4 76 ON MAR 23	0E ON MAR 1	6 390	1918
1919	---	0 9630 ON APR 1	0E ON MAR 1	---	1919
1920	---	1 56 E ON MAR 22	0E ON MAR 1	1 930	1920
1921	---	0 7850 ON MAR 25	0E ON MAR 10	344	1921
1922	---	3 74 ON APR 5	0E ON MAR 1	6 990	1922
1963	---	0 965 ON MAR 22	0 ON APR 17	839	1963
1964	---	0 0970 ON MAR 16	0E ON MAR 1	31 *	1964
1965	---	6 14 ON APR 13	0E ON MAR 2	5 420	1965
1966	---	1 35 E ON MAR 19	0E ON MAR 5	2 710	1966
1967	---	6 12 E ON MAR 25	0E ON MAR 1	10 100	1967
1968	---	0 4138 ON MAR 1	0E ON MAR 11	215	1968
1969	---	2 99 E ON APR 2	0E ON MAR 1	4 870	1969
1970	---	2 11 ON APR 7	0E ON MAR 1	4 320	1970
1971	---	4 13 E ON APR 1	0E ON MAR 1	5 910	1971
1972	---	1 61 E ON MAR 15	0E ON MAR 1	394	1972
1973	---	0 2588 ON MAR 6	0E ON MAR 16	131	1973
1974	2 39 E AT 15 08 CST ON MAR 30	1 85 E ON MAR 31	0E ON MAR 1	2 390	1974
1975	2 51 AT 10 10 CST ON APR 23	2 38 ON APR 23	0E ON MAR 1	3 850	1975
1976	5 51 E AT 23 26 CST ON MAR 19 *	4 79 E ON MAR 20	0E ON MAR 11	3 990	1976
1977	---	0 0018 ON APR 5	0E ON MAR 1	0 09	1977
1978	---	1 31 E ON MAR 23	0E ON MAR 1	1 380	1978
1979	1 78 AT 13 14 CST ON APR 30	1 61 ON APR 30	0E ON MAR 1	3 630	1979
1980	0 1088 AT 16 21 CST ON MAR 30	0 0778 ON MAR 30	0E ON MAR 6	83 0	1980
1981	---	0 011 ON JUN 18	0E ON MAR 3	5 55	1981
1982	2 75 AT 20 37 CST ON JUN 9	2 55 ON JUN 8	0 ON AUG 23	4 970	1982
1983	4 50 E AT 11 59 CST ON APR 1	4 15 ON APR 1	0 ON JUN 21	3 010	1983
1984	0 AT 00 00 CST ON MAR 1	0 E ON MAR 1	0E ON MAR 1	0	1984
1985	4 25 E AT 13 48 CST ON APR 3	3 33 E ON APR 3	0E ON MAR 1	2 070	1985
1986	---	0 3760 ON MAR 1	0 ON APR 28	424	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 210	MEAN

BRIDGE CREEK AT RAYMOND'S RANCH - STATION NO 05HA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0 010	0 011	0 005	0 007	0 013	---	---	---	---	1911
1912	---	---	---	0 050	0 051	0 024	0 006	0 006	0 007	0 010	---	---	---	1912
1913	---	---	---	0 087	0 007	0 003	0 004	0 002	0 004	0 005	---	---	---	1913
1914	---	---	0 300	0 043	0 005	0 004	0	0 001	0 011	0 030	---	---	0 050	1914
1915	---	---	---	0 135	0 078	0 053	0 004	0 005	0 018	0 022	---	---	---	1915
1916	---	---	---	0 087	0 025	0 024	0 009	0 013	0 013	0 021	---	---	---	1916
MEAN	---	---	0 300	0 085	0 031	0 030	0 018	0 005	0 011	0 018	---	---	0 050	MEAN

LOCATION - LAT 49 51 33 N DRAINAGE AREA 11 6 km^2
LONG 108 55 12 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1913, 1914 AND 1916

BRIDGE CREEK AT RAYMOND'S RANCH - STATION NO 05HA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0 ON JUN 10 *	---	1913
1914	---	0 9519 ON MAR 6 *	0 ON MAY 30	1 080	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 080	MEAN

BRIDGE CREEK NEAR SKULL CREEK - STATION NO 05HA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.003	0.001	0.003	---	---	---	1909
1910	---	---	---	0.023	0.004	0	0	0	0	0	---	---	---	1910
1911	---	---	---	---	0.011	0.001	0.004	0	0.020	---	---	---	---	1911
1912	---	---	---	---	0.052	0.018	0	0	---	---	---	---	---	1912
1913	---	---	---	0.143	0.011	0	0	---	---	---	---	---	---	1913
1914	---	---	---	0.087	0.005	0	0	0	0	0	---	---	---	1914
MEAN	---	---	---	0.084	0.017	0.004	0.001	0.001	0.005	0.001	---	---	---	MEAN

LOCATION - LAT 49 54 04 N DRAINAGE AREA 33.9 km²
LONG 108 53 00 W REGULATED

BRIDGE CREEK NEAR SKULL CREEK - STATION NO 05HA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON AUG 12 *	---	1909
1910	---	---	0 ON JUN 2	---	1910
1911	---	---	0 ON JUN 10	---	1911
1912	---	---	0 ON JUN 12	---	1912
1913	---	---	0 ON MAY 26	---	1913
1914	---	---	0E ON MAR 24	---	1914
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR - STATION NO 05HG015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	0	0	1.13	0	0	0	0	0	---	---	0.143	1987
1988	---	---	0	1.82	0	0	0	0	0	0	---	---	0.199	1988
1989	---	---	0	4.30	0	0	0	0	0	0	---	---	0.526	1989
1970	---	---	0	2.01	0.484	0	0	0	0	0	---	---	0.309	1970
1971	---	---	0	0.541	0.977	0	0	0	0	0	---	---	0.190	1971
1972	---	---	0	2.13	0.385	0	0	0	0	0	---	---	0.307	1972
1973	---	---	0	2.24	0	0	0	0	0	0	---	---	0.286	1973
1974	---	---	0.573	---	---	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	1.98	---	---	---	---	---	---	---	---	1975
1976	---	---	---	3.07	0	5.08	---	---	---	---	---	---	---	1976
1977	---	---	---	1.53	---	---	---	---	---	---	---	---	---	1977
1978	---	---	0	1.73	0.250	0	0	0	0	0	---	---	0.244	1978
1980	---	---	0	2.85	0	0	0	0	0	0	---	---	0.349	1980
1981	---	---	0	2.27	0.386	0	0	0	0	0	---	---	0.326	1981
1982	---	---	0	2.30	1.12	0	0	0	0	0	---	---	0.424	1982
1983	---	---	0	2.04	0.459	0	0	0	0	0	---	---	0.307	1983
1984	---	---	0	2.25	0.398	0	0	0	0.293	0	---	---	0.382	1984
MEAN	---	---	0.041	2.07	0.504	0.361	0	0	0.023	0	---	---	0.306	MEAN

LOCATION - LAT 51 37 08 N DRAINAGE AREA 1 530 km² DATA CONTRIBUTED BY -
LONG 105 32 42 W REGULATED SINCE 1987 SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR - STATION NO 05HG015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	---	3.23 ON MAY 15	0 ON MAR 1 *	3 040	1987
1988	---	4.02 ON APR 4	0 ON MAR 1	4 200	1988
1989	---	35.8 ON APR 11 *	0 ON MAR 1	11 100	1989
1970	---	13.2 ON APR 9	0 ON MAR 1	5 540	1970
1971	---	5.72 ON APR 30	0 ON MAR 1	4 020	1971
1972	---	6.80 ON APR 21	0 ON MAR 1	5 500	1972
1973	---	6.84 ON APR 13	0E ON MAR 1	5 050	1973
1974	---	34.5 ON APR 23	0E ON MAR 1	---	1974
1975	---	---	---	---	1975
1976	---	20.1 ON JUN 11	0 ON APR 1	---	1976
1977	---	---	---	---	1977
1978	---	5.83 ON APR 21	0E ON MAR 1	5 180	1978
1980	---	7.29 ON APR 10	0E ON MAR 1	7 400	1980
1981	---	5.80 ON APR 8	0 ON MAR 1	6 910	1981
1982	---	5.54 ON APR 20	0 ON MAR 1	6 960	1982
1983	---	6.53 ON APR 7	0 ON MAR 1	6 510	1983
1984	---	6.15 ON APR 6	0 ON MAR 1	7 850	1984
				6 470	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0.005	2.81	0	0	0	0	0	0	---	---	0.320	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.086	0	0	0	0	0	0	---	---	0.011	1962
1963	---	---	0.359	0.019	0	0	0	0	0	0	---	---	0.048	1963
1964	---	---	0	0.068	0.002	0	0.026	0	0	0	---	---	0.012	1964
1965	---	---	0	1.46	0.056	0.244	0.030	0	0	0	---	---	0.220	1965
1966	---	---	0.751	0.323	0.001	0	0	0	0	0	---	---	0.135	1966
1967	---	---	0	0.357	0.228	0	0	0	0	0	---	---	0.073	1967
1968	---	---	0.894	0.034	0.001	0	0	0	0	0	---	---	0.118	1968
1969	---	---	0	3.37	0.011	0	0	0	0	0	---	---	0.414	1969
1970	---	---	0.461	1.84	0.026	0	0.014	0	0	0	---	---	0.264	1970
1971	---	---	0	0.843	0.041	0.002	0.001	0	0	0	---	---	0.122	1971
1972	---	---	0.238	0.226	0.015	0	0	0	0	0	---	---	0.050	1972
1973	---	---	0.008	0.029	0.003	0	0.039	0	0	0	---	---	0.010	1973
1974	---	---	0	7.82	0.314	0.028	0	0	0	0	---	---	1.00	1974
1975	---	---	0	0.291	0.050	0	0	0	0	0	---	---	0.042	1975
1976	---	---	0	3.39	0.018	4.15	0.125	0.001	0	0	---	---	0.841	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.093	0.180	0.003	0	0	0	0	0	---	---	0.032	1978
1979	---	---	0	3.98	0.110	0.006	0	0	0	0	---	---	0.502	1979
1980	---	---	0.451	0.171	0	0	0	0	0	0	---	---	0.078	1980
1981	---	---	0	0.017	0	0.034	0	0	0	0	---	---	0.005	1981
1982	---	---	0	0.710	0.056	0.081	0	0	0	0	---	---	0.104	1982
1983	---	---	0.003	0.003	0.001	0	1.25	0.339	0	0	---	---	0.203	1983
1984	---	---	0.208	0.027	0	0	0	0	0	0	---	---	0.030	1984
1985	---	---	0	1.68	0.030	0	0	0	0	0	---	---	0.210	1985
1986	---	---	0.682	0.075	0.002	0	0	0	0	0	---	---	0.096	1986
MEAN	---	---	0.154	1.09	0.036	0.169	0.055	0.013	0	0	---	---	0.187	MEAN

LOCATION - LAT 51 33 45 N LONG 106 30 03 W DRAINAGE AREA 800 km² REGULATED

REMARKS - RECORDS COLLECTED AT SOUTH BOUNDARY OF 26-39-4-W3 IN 1960 AND IN NE03-30-04-W3 FROM 1961-74

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1960	---	24.6 B ON APR 4	0.8 ON MAR 1 *	6 780	1960
1961	0 AT 12 00 CST ON MAY 12	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	0.3288 ON APR 12	0.8 ON MAR 1	234	1962
1963	---	3.51 B ON MAR 24	0.9 ON MAR 1	1 010	1963
1964	1.29 B AT 19 00 CST ON APR 4	0.4258 ON APR 5	0.6 ON MAR 1	249	1964
1965	---	11.3 B ON APR 11	0.8 ON MAR 1	4 880	1965
1966	---	6.71 B ON MAR 29	0.8 ON MAR 1	2 850	1966
1967	---	2.72 B ON APR 25	0.8 ON MAR 1	1 540	1967
1968	11.3 B AT 07 00 CST ON MAR 6	6.33 B ON MAR 6	0.8 ON MAR 1	2 490	1968
1969	24.2 B AT 08 00 CST ON APR 10	20.0 B ON APR 10	0.8 ON MAR 1	8 780	1969
1970	11.8 AT 13 30 CST ON APR 7	10.6 ON APR 7	0.8 ON MAR 1	5 590	1970
1971	11.7 B AT 04 40 CST ON APR 12	7.25 B ON APR 12	0.8 ON MAR 1	3 560	1971
1972	3.74 B AT 10 00 CST ON MAR 27	1.99 B ON MAR 28	0.8 ON MAR 1	1 280	1972
1973	1.19 AT 18 15 CST ON JUL 1	0.487 ON JUL 2	0.8 ON MAR 1	309	1973
1974	77.9 AT 04 48 CST ON APR 21 *	54.4 ON APR 20 *	0.8 ON MAR 1	21 300	1974
1975	3.98 AT 02 29 CST ON APR 20	2.02 ON APR 20	0.8 ON MAR 1	888	1975
1976	37.7 AT 11 29 CST ON JUN 10	34.8 ON JUN 10	0.8 ON MAR 1	20 000	1976
1977	0.082 AT 11 03 CST ON MAY 5	0.005 ON MAY 5	0 ON MAR 1	0.43	1977
1978	2.24 B AT 20 56 CST ON MAR 29	1.39 B ON MAR 30	0.8 ON MAR 1	673	1978
1979	30.2 AT 19 43 CST ON APR 18	27.2 ON APR 18	0.8 ON MAR 1	10 600	1979
1980	4.52 B AT 16 57 CST ON MAR 29	4.04 B ON MAR 29	0.8 ON MAR 1	1 650	1980
1981	1.67 AT 17 32 CST ON JUN 20	0.463 ON JUN 21	0.8 ON MAR 1	133	1981
1982	8.44 AT 17 24 CST ON APR 13	6.37 A ON APR 13	0.8 ON MAR 1	2 210	1982
1983	16.6 AT 10 32 CST ON JUL 10	9.64 ON JUL 10	0.8 ON MAR 1	4 290	1983
1984	1.63 B AT 06 26 CST ON MAR 24	1.36 B ON MAR 24	0.8 ON MAR 1	527	1984
1985	19.0 B AT 05 43 CST ON APR 3	16.8 B ON APR 3	0.8 ON MAR 1	4 440	1985
1986	3.30 B AT 14 15 CST ON MAR 5	2.55 B ON MAR 5	0 ON MAY 6	2 030	1986
				3 860	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIGHTWATER CREEK NEAR PROCTOR LAKE - STATION NO. 05HG020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0	1.29	0.325	0	0	0	0	0	---	---	0.189	1978
1979	---	---	---	---	0.858	0	0	0	0	0	---	---	---	1979
1980	---	---	0.026	2.15	0	0	0	0	0	0	---	---	0.286	1980
1981	---	---	0	1.83	0.007	0	0	0	0	0	---	---	0.225	1981
1982	---	---	0	1.84	0.325	0	0	0	0	0	---	---	0.278	1982
1983	---	---	0	1.74	0.034	0	0	0	0	0	---	---	0.217	1983
1984	---	---	0	1.75	0.002	0	0	0	0	0	---	---	0.218	1984
1985	---	---	0	3.39	0.321	0.002	0	0	0	0	---	---	0.456	1985
1986	---	---	1.06	0.795	0	0	0.002	0	0	0	---	---	0.231	1986
MEAN	---	---	0.136	1.85	0.208	0	0	0	0	0	---	---	0.261	MEAN

LOCATION - LAT 51 42 49 N LONG 106 35 38 W DRAINAGE AREA 1 750 km² REGULATED

BRIGHTWATER CREEK NEAR PROCTOR LAKE - STATION NO 05MG020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	4 42 AT 15 44 CST ON APR 23	4 22 ON APR 23	0E ON MAR 1 *	4 220	1978
1979	---	---	0 ON MAY 15	---	1979
1980	5 83 AT 09 45 CST ON APR 11	5 808 ON APR 10	0E ON MAR 1	5 930	1980
1981	5 50 AT 12 00 CST ON APR 9	5 40 ON APR 9	0E ON MAR 1	4 760	1981
1982	7 04 AT 08 12 CST ON APR 17	5 15 ON APR 17	0E ON MAR 1	5 890	1982
1983	5 048 AT 00 00 CST ON APR 8	4 858 ON APR 8	0 ON MAR 1	4 600	1983
1984	4 02 AT 15 38 CST ON APR 18	3 91 ON APR 18	0E ON MAR 1	4 540	1984
1985	10 5 AT 08 28 CST ON APR 8 *	10 5 ON APR 8 *	0E ON MAR 1	9 640	1985
1986	4 188 AT 21 30 CST ON MAR 23	3 898 ON MAR 24	0E ON MAR 1	4 900	1986
				5 520	MEAN

E - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRODERICK IRRIGATION PROJECT MAIN CANAL ABOVE BRODERICK RESERVOIR - STATION NO 05MF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	---	5 73	7 37	8 12	8 05	4 05	---	---	1987
MEAN	---	---	---	---	---	---	5 73	7 37	8 12	8 05	4 05	---	---	MEAN

LOCATION - LAT 51 27 45 N
LONG 108 55 00 W REGULATED

BRODERICK IRRIGATION PROJECT MAIN CANAL ABOVE BRODERICK RESERVOIR - STATION NO 05MF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	---	9 03 ON JUL 22 *	---	---	1987
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO 05MF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	5 89	7 31	7 79	8 08	3 90	---	---	1967
1968	---	---	---	---	0 615	3 10	4 42	0 350	0 032	---	---	---	---	1968
1969	---	---	---	---	1 81	4 97	2 25	0 824	0 459	0	0	---	---	1969
1970	---	---	---	---	0 265	0 989	2 44	0 811	0 187	0 008	---	---	---	1970
1971	---	---	0	0	1 88	2 03	3 25	0 936	1 12	0 461	---	---	1 18	1971
1972	---	---	0	0	2 92	3 45	5 04	4 18	3 50	0 422	---	---	2 44	1972
1973	---	---	0	3 18	2 84	4 55	4 95	4 99	4 83	0 111	---	---	3 14	1973
1974	---	---	---	---	---	1 88	4 90	1 90	0 095	1 41	---	---	---	1974
1975	---	---	---	---	2 50	4 84	6 37	2 78	3 63	---	---	---	---	1975
1976	---	---	---	---	2 78	3 46	4 50	4 89	0 718	---	---	---	---	1976
1977	---	---	---	---	4 28	6 48	12 6	5 35	4 30	---	---	---	---	1977
1978	---	---	0	0	3 84	8 35	10 4	6 12	4 78	0	---	---	4 19	1978
1979	---	---	0	0	0 155	3 48	10 8	6 25	3 97	0	---	---	3 01	1979
1980	---	---	0	0	6 29	10 3	13 2	6 08	6 04	0	---	---	5 24	1980
1981	---	---	0	0	7 60	5 74	13 1	6 29	7 58	0	---	---	5 05	1981
1982	---	---	0	0	4 53	3 00	9 58	5 53	3 95	0	---	---	3 34	1982
1983	---	---	0	0	4 29	8 18	5 33	5 68	2 06	0	---	---	3 18	1983
1984	---	---	0	0	7 42	9 30	13 1	13 0	7 51	0	---	---	6 30	1984
1985	---	---	0	E	0 974	8 46	14 2	10 2	E 64	E	---	---	4 58	1985
1986	---	---	0	E	2 95	7 86	12 8	3 99	E 35	E	---	---	3 75	1986
MEAN	---	---	0	0 265	3 20	5 28	7 94	4 87	3 35	0 856	1 95	---	3 78	MEAN

LOCATION - LAT 51 17 07 N
LONG 105 50 10 W REGULATED

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO. OSHF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	8.27 ON AUG 28	0 ON JUL 1 *	---	1967
1968	---	5.04 ON JUL 18	0 ON MAY 1	---	1968
1969	---	5.27 ON JUL 24	0 ON MAY 1	---	1969
1970	---	5.13 ON JUL 1	0 ON MAY 1	---	1970
1971	---	5.38 ON JUL 21	0 ON MAR 1	25 000	1971
1972	---	5.13 ON JUN 29	0 ON MAR 1	51 700	1972
1973	---	4.98 ON JUL 20	0E ON MAR 1	86 600	1973
1974	---	5.04 ON JUL 9	0E ON JUN 1	---	1974
1975	---	9.83 ON JUL 23	0 ON MAY 1	---	1975
1976	---	10.1 ON AUG 3	0 ON MAY 1	---	1976
1977	---	14.0 ON JUL 7	0 ON SEP 8	---	1977
1978	---	15.9 ON JUL 17	0 ON MAR 1	88 600	1978
1979	---	10.8 ON JUL 8	0 ON MAR 1	83 700	1979
1980	---	15.6 ON JUL 16	0 ON MAR 1	111 000	1980
1981	---	16.1 ON JUL 27 *	0 ON MAR 1	107 000	1981
1982	---	11.0 ON JUL 31	0 ON MAR 1	70 600	1982
1983	---	9.95 ON JUL 9	0 ON MAR 1	87 500	1983
1984	---	13.7 ON JUL 5	0 ON MAR 1	134 000	1984
1985	---	14.6 ON JUN 25	0 ON MAR 1	96 800	1985
1986	---	15.6 ON JUL 14	0 ON MAR 1	79 500	1986
				80 200	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO. OSJE009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	3.99	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.27	2.26	0.011	---	---	---	---	---	---	---	1970
1971	---	---	---	2.17	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	0.223	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	3.58	0.558	0.161	---	---	---	---	---	---	---	1974
1975	---	---	0.002	3.84	0.284	0.002	0.002	0	0	0	---	---	0.507	1975
1976	---	---	1.50	3.71	0.007	2.03	0.004	0	0	0	---	---	0.893	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	1.24	0.302	0.011	0.033	0.386	0	0	0	---	---	0.248	1978
1979	---	---	0.214	3.85	1.04	0.009	0	0	0	0	---	---	0.632	1979
1980	---	---	0.187	0.090	0	0	0	0	0	0	---	---	0.032	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	2.88	0.031	0.007	0.894	0	0	0	---	---	0.485	1982
1983	---	---	0	3.52	0.185	0.003	0	0	0	0	---	---	0.455	1983
1984	---	---	0.001	0	0	0.002	0	0	0	0	---	---	0	1984
1985	---	---	0.320	0	0	0	0	0	0	0	---	---	0.041	1985
1986	---	0.300	0.488	0.001	0.163	0	0	0	0	0	---	---	0.080	1986
MEAN	---	0.150	0.328	1.80	0.324	0.161	0.107	0	0	0	---	---	0.281	MEAN

LOCATION - LAT 49 38 55 N DRAINAGE AREA, 153 km^2
LONG 104 13 07 W NATURAL FLOW

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO. OSJE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	22.3 AT 13 31 CST ON APR 20	21.3 ON APR 20	0B ON MAR 1 *	10 700	1975
1976	36.2 AT 06 05 CST ON JUN 13 *	28.2 ON JUN 13 *	0B ON MAR 1	18 900	1976
1977	0 B AT 00 01 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1977
1978	12.8 AT 11 52 CST ON MAR 27	10.6 ON MAR 27	0B ON MAR 1	5 240	1978
1979	26.0 B AT 09 30 CST ON APR 19	23.9 B ON APR 19	0B ON MAR 1	13 400	1979
1980	2.41 B AT 11 05 CST ON MAR 30	2.07 B ON MAR 30	0B ON MAR 1	679	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	27.8 AT 04 56 CST ON JUL 17	22.2 ON APR 15	0B ON MAR 1	10 300	1982
1983	19.5 AT 08 48 CST ON APR 11	16.0 ON APR 11	0B ON MAR 1	9 620	1983
1984	0.031 AT 02 45 CST ON JUN 22	0.017 ON JUN 21	0B ON MAR 1	7.78	1984
1985	3.02 AT 18 03 CST ON MAR 16	2.48 A ON MAR 16	0B ON MAR 1	857	1985
1986	---	2.94 A ON MAR 2	0 ON APR 4	1 880	1986
				5 950	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BROWN DITCH NEAR DIVIDE - STATION NO 11AD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1924	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1924
MEAN	---	---	0	0.002	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 09 35 N
LONG 109 08 14 W REGULATED

BROWN DITCH NEAR DIVIDE - STATION NO 11AD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	0 ON SEP 15 *	---	1917
1918	---	---	0 ON AUG 20	---	1918
1919	---	---	0 ON JUN 25	---	1919
1924	---	0.028 ON APR 3 *	0 ON MAR 1	5.39	1924
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5.39	MEAN

BUCHANAN DITCH NEAR GOVENLOCK - STATION NO 11AB109

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0	0.058	0.005	0	0	0	0	0	---	---	0.008	1968
1969	---	---	0	0.030	0.013	0	0	0.015	0	0	---	---	0.007	1969
1970	---	---	0	0.063	0	0.042	0	0	0	0	---	---	0.013	1970
1971	---	---	---	0	0.045	0	0.018	0.105	0	0	---	---	---	1971
MEAN	---	---	0	0.038	0.016	0.011	0.005	0.030	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 10 45 N
LONG 109 50 45 W REGULATED

BUCHANAN DITCH NEAR GOVENLOCK - STATION NO 11AB109

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.351 ON APR 23	0 ON MAR 1 *	163	1968
1969	---	0.241 ON AUG 11	0 ON MAR 1	150	1969
1970	---	0.476 ON APR 8 *	0 ON MAR 1	272	1970
1971	---	0.357 ON JUL 29	0 ON APR 1	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		195	MEAN

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. OSKB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	---	---	---	---	---	---	---	---	1955
1956	---	---	---	---	---	---	---	---	---	---	---	---	---	1956
1957	---	---	---	---	---	---	---	---	---	---	---	---	---	1957
1958	---	---	---	2.34	---	---	---	---	---	---	---	---	---	1958
1959	---	---	---	---	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	5.82	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	---	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	---	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	---	---	---	---	---	---	---	---	---	---	1963
1965	---	---	0	3.18	1.58	2.65	0.166	0	0	0	---	---	0.936	1965
1966	---	---	0.001	4.48	2.17	1.49	0.232	0.007	0.008	0.001	---	---	1.04	1966
1967	---	---	0	1.75	3.09	0.133	0.005	0.003	0	0.071	---	---	0.632	1967
1968	---	---	1.02	0.577	0.026	0.008	0	0	0	0.086	---	---	0.214	1968
1969	---	---	0	2.30	0.028	0.013	0	0	0.020	0.157	---	---	0.309	1969
1970	---	---	0	3.66	0.972	1.53	1.86	0.033	0	0	---	---	0.989	1970
1971	---	---	0	4.54	0.234	0.002	0	0	0	0.058	---	---	0.583	1971
1972	---	---	0	8.67	2.33	0.003	0	0	0	0	---	---	1.36	1972
1973	---	---	0.024	0.337	0.044	3.18	4.03	0.009	0.004	0.025	---	---	0.954	1973
1974	---	---	0.274	6.44	1.94	0.558	0.084	0.290	0.232	0.336	---	---	1.26	1974
1975	---	---	0	3.61	1.40	0.307	0.038	0	0	0.078	---	---	0.671	1975
1976	---	---	0.045	3.37	0.119	0.335	0.176	0	0	0.022	---	---	0.500	1976
1977	---	---	0	0.286	0.182	0.090	0	0	0	0.002	---	---	0.072	1977
1978	---	---	0	4.68	0.906	0.014	0	0.096	0.054	0.313	---	---	0.748	1978
1979	---	---	0.003	8.71	5.06	2.28	0.038	0	0	0.043	---	---	2.00	1979
1980	---	---	0	1.24	0.027	0.001	0	0	0	0.021	---	---	0.158	1980
1981	---	---	0.146	0.282	0.017	0.016	0.014	0	0	0.045	---	---	0.065	1981
1982	---	---	0	3.05	0.337	0.397	0	0	0	0.034	---	---	0.469	1982
1983	---	---	0	1.64	0.233	0.230	0.540	0.050	0.007	0.007	---	---	0.335	1983
1984	---	---	0.124	3.36	1.37	1.48	0.021	0	0	0.102	---	---	0.797	1984
1985	---	---	0.199	5.25	0.782	0.275	0.214	0.071	0.008	0.002	---	---	0.960	1985
1986	---	---	0.261	4.47	0.487	0.260	0	0	0	0.045	---	---	0.680	1986
MEAN	---	---	0.095	3.54	1.08	0.693	0.337	0.025	0.015	0.066	---	---	0.716	MEAN

LOCATION - LAT 53 06 16 N
LONG 103 40 45 W
DRAINAGE AREA, 305 km²
REGULATED

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. OSKB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	9.12 ON APR 16	0E ON APR 5 *	---	1955
1956	---	16.1 E ON APR 20	0E ON APR 14	---	1956
1957	---	35.4 ON APR 24 *	0E ON APR 16	---	1957
1958	---	11.3 E ON MAR 31	0E ON MAR 24	---	1958
1959	---	8.23 ON APR 6	0E ON MAR 28	---	1959
1960	---	10.9 ON APR 6	0E ON APR 1	---	1960
1961	---	3.74 ON APR 19	0E ON APR 12	---	1961
1962	---	20.0 ON APR 22	0E ON APR 12	---	1962
1963	---	11.2 ON MAR 29	0E ON MAR 25	---	1963
1965	---	18.8 ON APR 13	0B ON MAR 1	19 800	1965
1966	---	15.9 B ON APR 13	0B ON MAR 1	22 000	1966
1967	---	10.6 B ON APR 28	0B ON MAR 1	13 400	1967
1968	---	5.30 B ON MAR 25	0B ON MAR 1	4 540	1968
1969	---	14.0 B ON APR 11	0B ON MAR 1	6 540	1969
1970	---	18.0 ON JUN 30	0B ON MAR 1	21 100	1970
1971	---	17.8 ON APR 15	0B ON MAR 1	12 600	1971
1972	36.8 AT 08 49 CST ON APR 23	30.9 ON APR 23	0B ON MAR 1	28 700	1972
1973	---	34.0 ON JUL 3	0B ON MAR 1	20 200	1973
1974	---	30.5 ON APR 19	0B ON MAR 1	26 600	1974
1975	11.8 AT 09 48 CST ON APR 22	10.0 ON APR 22	0B ON MAR 1	14 200	1975
1976	---	9.00 ON APR 9	0B ON MAR 1	10 600	1976
1977	4.90 B AT 07 05 CST ON APR 10	3.23 B ON APR 10	0B ON MAR 1	1 520	1977
1978	14.1 AT 07 26 CST ON APR 18	11.8 ON APR 18	0B ON MAR 1	15 800	1978
1979	39.0 AT 01 34 CST ON APR 20 *	35.0 ON APR 20	0 ON JUL 14	42 200	1979
1980	6.68 A AT 08 20 CST ON APR 14	5.05 A ON APR 14	0B ON MAR 1	3 340	1980
1981	0.9538 AT 12 33 CST ON APR 16	0.6928 ON APR 19	0B ON MAR 1	1 370	1981
1982	18.1 AT 05 56 CST ON APR 16	15.1 ON APR 16	0B ON MAR 1	9 920	1982
1983	13.3 AT 04 45 CST ON APR 21	9.78 B ON APR 20	0B ON MAR 1	7 090	1983
1984	13.8 AT 13 34 CST ON JUN 21	9.84 ON APR 7	0B ON MAR 1	16 900	1984
1985	23.6 A AT 06 50 CST ON APR 14	20.2 ON APR 15	0B ON MAR 1	20 300	1985
1986	22.0 AT 15 32 CST ON APR 7	19.2 ON APR 8	0B ON MAR 1	14 400	1986
				15 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BUSHY COULEE NEAR CONSUL - STATION NO. 11AB071

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	2.14	0.557	0.011	0	0	0	---	---	0.454	1927
1928	---	---	---	---	0.024	0	0	0	0	0	---	---	0.004	1928
MEAN	---	---	---	---	1.08	0.279	0.006	0	0	0	---	---	0.229	MEAN

LOCATION - LAT 49 18 16 N
LONG 109 27 23 W
DRAINAGE AREA, 339 km²
REGULATED

BUSHY COULEE NEAR CONSUL - STATION NO 11AB071

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	8.21 E ON MAY 24 *	0 ON MAY 1 *	7 210	1927
1928	---	0.167 ON MAY 1	0 ON MAY 17	84.1	1928
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 640	MEAN

E - ESTIMATED

CANOE RIVER NEAR BEAUVAL - STATION NO 06BB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	48.3	26.7	18.1	15.4	12.3	---	---	---	1974
1975	---	---	---	---	---	---	---	---	13.2	15.4	12.4	---	---	1975
1976	6.43	7.88	6.08	13.0	13.6	9.32	17.8	19.7	19.0	18.7	17.6	9.81	13.2	1976
1977	---	---	---	13.3	25.3	26.6	14.2	14.6	15.8	17.8	---	---	---	1977
1978	6.56	3.68	3.39	9.18	44.9	25.5	10.5	7.92	12.2	16.2	13.6	8.14	13.5	1978
1979	5.69	3.76	2.91	11.0	23.1	14.7	9.55	5.57	9.06	15.2	11.6	7.85	10.0	1979
1980	4.78	3.83	3.26	9.27	11.9	4.28	2.56	4.29	9.87	17.9	16.7	9.82	8.20	1980
1981	7.09	6.83	5.76	16.4	15.5	7.10	3.54	2.11	1.88	2.07	2.07	1.77	6.08	1981
1982	0.695	0.182	0.058	1.11	17.8	14.4	6.98	5.57	6.79	9.28	9.11	6.21	6.55	1982
1983	6.08	5.06	5.17	9.81	11.9	6.80	3.97	2.80	3.21	4.90	6.56	3.26	5.76	1983
1984	1.83	1.52	0.980	10.1	18.5	41.5	21.6	8.85	5.82	10.0	10.6	7.36	11.3	1984
1985	4.78	2.74	2.47	8.75	42.3	28.1	15.8	10.5	8.53	9.17	7.58	3.97	12.1	1985
1986	5.21	3.87	5.84	14.8	23.2	20.5	14.1	16.3	12.8	14.3	10.5	7.88	12.5	1986
MEAN	4.89	3.92	3.69	10.6	22.5	20.6	12.3	9.49	10.3	12.6	10.8	6.81	9.92	MEAN

LOCATION - LAT 55 24 20 N DRAINAGE AREA, 4 730 km^2
LONG 108 01 40 W NATURAL FLOW

CANOE RIVER NEAR BEAUVAL - STATION NO 06BB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	22.5 AT 18 22 CST ON JUL 29	22.2 ON JUL 30	4.87 B ON DEC 31	419 000	1976
1977	49.8 AT 19 43 CST ON MAY 29	47.6 ON MAY 29	---	---	1977
1978	58.3 AT 17 28 CST ON MAY 19 *	56.1 ON MAY 19 *	2.97 B ON MAR 3	427 000	1978
1979	---	25.0E ON MAY 16	2.85 B ON MAR 28	318 000	1979
1980	---	22.7 ON NOV 11	1.85 ON JUL 10	259 000	1980
1981	---	20.0 ON APR 30	1.31 B ON DEC 29	192 000	1981
1982	21.4 AT 17:50 CST ON MAY 21	21.3 ON MAY 21	0.0808 ON MAR 18 *	208 000	1982
1983	16.8 AT 07 40 CST ON APR 25	15.7 ON APR 24	2.02 B ON DEC 31	181 000	1983
1984	---	50.5E ON JUN 18	0.4708 ON MAR 19	359 000	1984
1985	50.0 AT 16:23 CST ON MAY 17	49.2 ON MAY 17	2.31 B ON MAR 9	382 000	1985
1986	28.48 AT 17.00 CST ON APR 23	25.8 ON JUN 2	2.53 B ON FEB 23	394 000	1986
				314 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARROT RIVER AT BEAULIEU'S FARM - STATION NO 05KA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.042	0.059	0.034	0.213	0.074	0.051	0.026	0	0	---	1919
1920	0	0	0	0.629	2.61	0.489	0.098	0	0	0	0	0	0.321	1920
1921	0	0	0	2.62	3.14	0.831	0.375	0.392	0.188	0.204	0.120	0.039	0.682	1921
1922	0	0	0	1.84	1.86	0.541	0.150	0.054	0.031	0.033	0.050	0.011	0.348	1922
1923	0	0	0	0.165	0.183	0.329	0.248	0.224	0.114	0.079	---	---	---	1923
1924	---	---	0	0.327	0.572	0.222	0.035	0.006	0	0	---	---	---	1924
1925	---	---	0	0.302	0.127	0.334	0.146	0.050	0.051	0.051	---	---	---	1925
1926	---	---	---	0.110	0.385	0.447	0.105	0.006	0.004	0.008	---	---	---	1926
1927	---	---	---	0.832	1.84	0.533	0.386	0.285	0.183	0.283	---	---	---	1927
1928	---	---	---	0.698	0.246	0.185	0.094	0.048	0.003	0.003	---	---	---	1928
1929	---	---	0	0.245	0.339	0.209	0.083	0.032	0.003	0	---	---	---	1929
1930	---	---	---	0.158	0.147	0.036	0.027	0	0.005	0.048	---	---	---	1930
1931	---	---	0.007	0.189	---	---	---	---	---	---	---	---	---	1931
MEAN	0	0	0.001	0.611	0.926	0.348	0.183	0.098	0.053	0.080	0.043	0.013	0.444	MEAN

LOCATION - LAT 52 51 00 N DRAINAGE AREA, 546 km^2
LONG 105 11 00 W NATURAL FLOW

CARROT RIVER AT BEAULIEU'S FARM - STATION NO. 05KA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0 ON MAR 16 *	---	1919
1920	---	5.24 ON MAY 3	0B ON JAN 1	10 200	1920
1921	---	12.9 ON APR 27 *	0B ON JAN 1	20 800	1921
1922	---	2.45 B ON APR 10	0B ON JAN 1	11 000	1922
1923	---	0.527 ON JUN 25	0B ON JAN 1	---	1923
1924	---	1.10 ON APR 29	0B ON MAR 1	---	1924
1925	---	0.863 ON APR 7	0 ON MAR 1	---	1925
1926	---	0.595 ON MAY 25	0B ON APR 1	---	1926
1927	---	2.85 ON APR 26	---	---	1927
1928	---	---	0 ON SEP 11	---	1928
1929	---	0.837 ON APR 21	0B ON MAR 1	---	1929
1930	---	0.326 ON APR 13	0B ON APR 1	---	1930
1931	---	---	0B ON MAR 1	---	1931

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD 16 000 MEAN

CARROT RIVER NEAR ARMLEY - STATION NO. 05KB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.031	53.4	72.9	12.8	2.26	0.050	0.009	0.012	---	---	18.8	1955
1956	---	---	0.004	30.8	53.2	5.59	1.23	0.484	0.039	0.021	---	---	11.4	1956
1957	---	---	0.033	50.0	30.9	1.36	0.249	0.011	0.058	0.010	---	---	10.2	1957
1958	---	---	0.046	22.8	1.87	0.116	0.014	0.002	0.004	0.010	---	---	3.01	1958
1959	---	---	0.002	10.7	1.12	0.078	0.008	0.008	0.001	0.037	---	---	1.46	1959
1960	---	---	0.028	31.6	7.16	1.45	0.428	0.002	0	0	---	---	5.01	1960
1961	---	---	0	2.37	0.291	0.002	0	0	0	0	---	---	0.315	1961
1962	---	---	0	16.2	3.41	0.045	0	0	0	0	---	---	2.42	1962
1963	---	---	0	11.7	0.018	0.005	0.042	0	0	0	---	---	1.46	1963
1964	---	---	0	9.84	0.861	0.055	0	0	0	0	---	---	1.38	1964
1965	---	---	0	15.4	2.87	1.16	0.700	0.050	0.001	0.001	---	---	3.49	1965
1966	---	---	0.008	38.1	7.27	1.87	0.830	0.134	0.021	0.018	---	---	6.05	1966
1967	---	---	0.008	3.32	30.8	1.86	0.007	0	0.002	0.002	---	---	4.52	1967
1968	---	---	6.51	11.8	0.723	0.001	0.002	0.115	0.791	0.075	---	---	3.49	1968
1969	---	---	0.008	34.3	5.39	0.813	0.006	0.004	0.001	0.388	---	---	5.13	1969
1970	---	---	0	36.2	17.0	2.12	2.44	0.274	0.011	0.087	---	---	7.84	1970
1971	---	---	0	34.0	4.75	0.474	0.747	0.212	0.028	0.163	---	---	5.07	1971
1972	---	---	0	63.2	28.5	1.21	0.103	0.010	0.002	0	---	---	11.5	1972
1973	---	---	0.112	2.87	0.310	19.1	11.7	2.56	0.827	0.006	---	---	4.74	1973
1974	---	---	0.018	87.8	83.0	19.8	4.06	0.937	1.84	1.38	---	---	22.3	1974
1975	---	---	0.018	23.5	39.8	5.84	1.89	0.400	0.063	0.024	---	---	6.90	1975
1976	---	---	0.025	32.8	3.11	0.477	1.17	0.216	0.001	0.010	---	---	3.45	1976
1977	---	---	0	1.89	1.36	1.67	0.043	0.005	0.002	0.020	---	---	0.631	1977
1978	---	---	0.001	38.9	10.5	0.982	1.35	0.137	0.394	0.048	---	---	5.51	1978
1979	---	---	0	63.2	66.9	13.7	3.47	0.165	0.110	0.020	---	---	19.2	1979
1980	---	---	0.010	27.3	5.07	0.172	0.042	0.010	0.077	0.087	---	---	4.04	1980
1981	---	---	0.373	0.873	0.137	0.018	0.025	0.016	0.003	0.022	---	---	0.162	1981
1982	---	---	0	15.0	3.89	1.82	0.393	0.018	0.027	0.026	---	---	3.44	1982
1983	---	---	0	15.2	7.18	0.926	0.789	0.269	0.185	0.087	---	---	3.05	1983
1984	---	---	0	17.7	7.22	7.79	0.789	0.022	0.001	0.001	---	---	4.14	1984
1985	---	---	0.002	51.8	33.4	4.86	1.15	0.083	0.012	0.033	---	---	14.8	1985
1986	---	---	0.844	16.9	2.02	0.276	0.008	0.001	0	0	---	---	2.72	1986
MEAN	---	---	0.265	28.7	15.7	3.37	1.06	0.194	0.132	0.087	---	---	6.12	MEAN

LOCATION - LAT. 53 06 11 N DRAINAGE AREA, 4 400 km^2
LONG 104 01 15 W NATURAL FLOW

CARROT RIVER NEAR ARMLEY - STATION NO. 05KD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1955	...	117 ON MAY 2	0 B ON MAR 22 *	297 000	1955
1956	...	177 ON APR 25	0 ON AUG 26	242 000	1956
1957	311 E AT 18:00 CST ON APR 26	309 E ON APR 26	0 B ON MAR 1	216 000	1957
1958	61.7 B AT 06:30 CST ON APR 7	60.5 B ON APR 7	0 B ON MAR 1	63 800	1958
1959	...	29.4 B ON APR 7	0 B ON MAR 1	21 400	1959
1960	82.4 AT 15:00 CST ON APR 16	81.0 ON APR 16	0 E ON AUG 13	106 000	1960
1961	10.5 B AT 17:00 CST ON APR 16	9.770 ON APR 16	0 B ON MAR 1	6 870	1961
1962	66.8 B AT 14:00 CST ON APR 22	64.5 B ON APR 22	0 B ON MAR 1	51 100	1962
1963	45.3 B AT 20:20 CST ON APR 9	36.7 B ON APR 9	0 B ON MAR 1	30 500	1963
1964	46.7 B AT 16:30 CST ON APR 11	43.5 B ON APR 11	0 B ON MAR 1	27 200	1964
1965	...	66.7 B ON APR 14	0 B ON MAR 1	57 000	1965
1966	128 AT 18:30 CST ON APR 17	123 ON APR 17	0 ON AUG 13	126 000	1966
1967	63.1 B AT 17:00 CST ON MAY 1	61.4 B ON MAY 1	0 ON JUL 27	95 500	1967
1968	...	40.5 B ON MAR 28	0 B ON MAR 1	52 700	1968
1969	...	108 B ON APR 13	0 ON JUL 16	109 000	1969
1970	121 AT 15:30 CST ON APR 20	119 ON APR 20	0 B ON MAR 1	157 000	1970
1971	119 AT 15:00 CST ON APR 16	115 ON APR 16	0 B ON MAR 1	107 000	1971
1972	326 AT 20:13 CST ON APR 24	306 ON APR 24	0 B ON MAR 1	244 000	1972
1973	48.5 AT 11:08 CST ON JUN 10	46.6 ON JUN 10	0 B ON MAR 1	100 000	1973
1974	450 AT 17:10 CST ON APR 21 *	377 ON APR 21 *	0 B ON MAR 24	470 000	1974
1975	108 AT 16:41 CST ON MAY 1	105 ON MAY 1	0 B ON MAR 11	189 000	1975
1976	...	60.0 ON APR 6	0 ON AUG 29	72 100	1976
1977	7.83 AT 18:08 CST ON MAY 28	6.12 ON MAY 29	0 B ON MAR 1	13 400	1977
1978	116 AT 16:16 CST ON APR 21	114 ON APR 21	0.0018 ON MAR 1	136 000	1978
1979	310 AT 19:04 CST ON APR 26	310 ON APR 27	0 B ON MAR 1	366 000	1979
1980	78.4 AT 18:32 CST ON APR 21	74.6 ON APR 21	0 B ON MAR 1	65 800	1980
1981	...	1.698 ON APR 3	0 B ON MAR 1	3 840	1981
1982	73.7 AT 17:55 CST ON APR 18	69.1 ON APR 18	0 B ON MAR 1	62 200	1982
1983	51.8 AT 18:51 CST ON APR 22	55.0 ON APR 22	0 B ON MAR 1	66 500	1983
1984	61.8 AT 08:32 CST ON APR 8	60.9 ON APR 8	0 B ON MAR 1	67 500	1984
1985	239 AT 04:01 CST ON APR 21	231 ON APR 21	0 B ON MAR 1	316 000	1985
1986	41.1 AT 01:31 CST ON APR 3	38.2 ON APR 5	0 B ON MAR 1	57 800	1986
				130 000	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CARROT RIVER NEAR KINISTINO - STATION NO. 05KD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	...	...	0	0.043	0	0	0	0	0	0	0	0	0.005	1919
1920	0	0	0	0.608	3.56	0.734	0.070	0	0	0	0	0	0.432	1920
1921	0	0	0	3.81	11.1	4.62	2.04	0.757	1.06	1.02	...	...	3.06	1921
1922	...	...	0	2.77	5.20	2.93	5.97	2.21	0.193	0.276	0.178	0.004	2.65	1922
1923	0	0	0	0.484	0.356	1.50	0.866	0.670	0.230	0.231	...	...	0.565	1923
1924	...	...	0	1.44	0.949	0.383	0.071	0.073	0.014	0	...	...	0.384	1924
1925	...	...	0	1.76	0.384	2.66	0.776	0.207	0.236	0.230	...	...	0.773	1925
1926	...	...	0.056	0.815	1.80	1.14	0.117	0.010	0.056	0.196	...	...	0.468	1926
1927	...	...	0	5.01	3.61	1.48	1.54	0.045	0.564	0.639	...	...	1.67	1927
1928	...	...	1.33	1.52	0.619	0.570	0.300	0.068	0.057	0.087	...	...	0.568	1928
1929	...	...	0	1.68	0.693	1.38	0.820	0.083	0.046	0.045	...	...	0.593	1929
1930	...	...	0	1.06	0.224	0.142	0.072	0.006	0.005	0.048	...	...	0.199	1930
1931	...	...	0.023	0.631	...	...	...	...	...	...	...	...	...	1931
1956	...	...	0	6.60	7.72	1.46	0.326	0.337	0.134	0.036	...	...	2.08	1956
1957	...	...	0.008	2.86	4.43	0.586	0.093	0.037	0.061	0.016	...	...	1.03	1957
1958	...	...	0.028	1.67	0.683	0.267	0.003	0	0.001	0.005	...	...	0.317	1958
1959	...	...	0	0.131	0.197	0.012	0	0	0	0	...	...	0.042	1959
1960	...	...	0	2.61	0.906	0.676	0.204	0.088	0.014	0	...	...	0.554	1960
1961	...	...	0	0.062	0.021	0.004	0	0	0	0	...	...	0.013	1961
1962	...	...	0	0.313	0.026	0.005	0	0	0	0.004	...	...	0.030	1962
1963	...	...	0.001	0.129	0.007	0.006	0.005	0	0	0.010	...	...	0.020	1963
1964	...	...	0	0.016	0.017	0.003	0	0	0.003	0.016	...	...	0.007	1964
1965	...	...	0	0.778	0.497	0.001	0.007	0	0	0.008	...	...	0.160	1965
1966	...	...	0	3.56	1.71	0.436	0.336	0.000	0.072	0.134	...	...	0.780	1966
1967	...	...	0	0.108	5.10	0.375	0.063	0.023	0.021	0.049	...	...	0.735	1967
1968	...	...	0.315	0.832	0.135	0.016	0.106	0.018	0.112	0.062	...	...	0.211	1968
1969	...	...	0.008	5.11	2.35	0.316	0.068	0.076	0.030	0.198	...	...	1.01	1969
1970	...	...	0	5.67	5.33	0.511	0.330	0.120	0.011	0.049	...	...	1.49	1970
1971	...	...	0	3.22	0.666	0.106	0.057	0.063	0.027	0.006	...	...	0.527	1971
1972	...	...	0	4.66	6.18	0.500	0.068	0.026	0.007	0.006	...	...	1.45	1972
1973	...	...	0.010	0.057	0.014	1.03	0.765	0.349	0.386	0.167	...	...	0.350	1973
1974	...	...	0	8.20	18.1	7.94	1.88	0.423	0.466	0.901	...	...	4.66	1974
1975	...	...	0.036	2.13	6.71	2.34	0.870	0.167	0.061	0.188	...	...	1.62	1975
1976	...	...	0.012	4.67	0.533	0.075	0.193	0.085	0.026	0.022	...	...	0.720	1976
1977	...	...	0.001	0.080	0.016	0.006	0.012	0.047	0.012	0.015	...	...	0.021	1977
1978	...	...	0.003	2.32	2.04	0.761	0.480	0.226	0.043	0.066	...	...	0.730	1978
1979	...	...	0	2.74	13.9	4.40	0.895	0.183	0.311	0.026	...	...	2.61	1979
1980	...	...	0	2.63	1.30	0.011	0.023	0.005	0.018	0.041	...	...	0.460	1980
1981	...	...	0.021	0.111	0.005	0.005	0	0.001	0.001	0.004	...	...	0.020	1981
1982	...	...	0	0.320	0.629	0.226	0.005	0.168	0.074	0.076	...	...	0.184	1982
1983	...	...	0	0.886	1.02	0.058	0.473	0.004	0.016	0	...	...	0.304	1983
1984	...	...	0.026	2.49	0.642	1.44	0.269	0.018	0.023	0.011	...	...	0.605	1984
1985	...	...	0	10.7	5.98	1.63	0.105	0.001	0.001	0.001	...	...	2.62	1985
1986	...	...	0.066	1.30	0.390	0.004	0	0	0.006	0.063	...	...	0.324	1986
MEAN	0	0	0.044	2.28	2.46	0.960	0.465	0.172	0.114	0.109	0.058	0.001	0.670	MEAN

LOCATION - LAT 52 56 55 N   DRAINAGE AREA, 1 170 km²
LONG 105 00 18 W   REGULATED

REMARKS - RECORDS PRIOR TO 1956 WERE OBTAINED AT VARIOUS OTHER SITES IN THE VICINITY

CARROT RIVER NEAR NIPAWIN - STATION NO 05AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.279 09 APR 6	0 0 00 MAR 1 0	---	1919
1920	---	7.05 00 MAY 8	0 00 MAR 1	13 200	1920
1921	---	10.7 00 APR 23	0 0 00 MAR 1	24 700	1921
1922	---	11.8 00 JUL 15	0 0 00 MAR 1	55 100	1922
1923	---	2.11 00 JUN 23	0 00 MAR 1	13 000	1923
1924	---	5.31 E 00 APR 23	0 0 00 MAR 1	0 130	1924
1925	---	6.16 E 00 APR 7	0 0 00 MAR 1	16 600	1925
1926	---	2.86 00 JUN 1	0 0 00 MAR 1	10 500	1926
1927	---	10.1 00 APR 28	0 0 00 MAR 1	33 300	1927
1928	---	4.81 E 30 MAR 31	0 0 00 MAR 1	13 000	1928
1929	---	6.62 E 00 APR 20	0 0 00 MAR 1	11 700	1929
1930	---	4.99 E 00 APR 11	0 0 00 MAR 1	0 130	1930
1931	---	1.58 E 00 APR 9	0 0 00 MAR 16	---	1931
1956	---	27.6 00 APR 16 C	0 0 00 MAR 1	64 200	1956
1957	---	16.4 E 00 APR 28	0 0038 00 MAR 1	21 800	1957
1958	---	3.20 00 APR 14	0 00 JUL 13	0 700	1958
1959	---	1.27 E 00 APR 30	0 0 00 MAR 1	207	1959
1960	---	5.26 00 APR 26	0 0 00 MAR 1	11 800	1960
1961	---	0.3660 00 APR 19	0 0 00 MAR 1	777	1961
1962	2.86 E AT 19 30 CST 00 APR 17	0.980 00 APR 22	0 0 00 MAR 1	881	1962
1963	---	0.7870 00 APR 13	0 0 00 MAR 1	613	1963
1964	---	0.8760 00 APR 16	0 0 00 MAR 1	168	1964
1965	---	4.06 00 APR 29	0 0 00 MAR 1	9 280	1965
1966	---	9.06 E 00 APR 15	0 0 00 MAR 1	19 500	1966
1967	---	9.85 00 MAY 6	0 0 00 MAR 1	19 300	1967
1968	---	6.16 E 00 MAR 30	0 0 00 MAR 1	0 650	1968
1969	---	10.1 00 APR 16	0 00 SEP 9	21 900	1969
1970	---	11.6 00 APR 26	0 0 00 MAR 1	21 700	1970
1971	11.5 AT 00 00 CST 00 APR 17	9.91 00 APR 17	0 0 00 MAR 1	21 600	1971
1972	10.5 E AT 07 41 CST 00 APR 22	10.5 E 00 APR 22	0 0 00 MAR 1	20 700	1972
1973	3.88 AT 12 00 CST 00 JUL 3	3.66 00 JUL 3	0 0 00 MAR 1	0 620	1973
1974	25.4 AT 17 31 CST 00 APR 30 C	25.2 00 APR 30	0 0 00 MAR 1	80 000	1974
1975	13.7 AT 13 45 CST 00 MAY 2	13.5 00 MAY 2	0 000 00 SEP 23	34 700	1975
1976	10.8 AT 21 09 CST 00 APR 8	7.62 00 APR 10	0 0 00 MAR 1	19 500	1976
1977	---	0.370 00 APR 17	0 0 00 MAR 1	650	1977
1978	6.85 AT 18 19 CST 00 APR 26	6.77 00 APR 26	0 0 00 MAR 1	15 500	1978
1979	10.7 AT 18 15 CST 00 APR 30	10.6 00 MAY 6	0 0 00 MAR 1	23 500	1979
1980	7.85 AT 16 51 CST 00 APR 30	7.00 00 APR 21	0 0 00 MAR 1	10 300	1980
1981	0.5260 AT 12 46 CST 00 APR 7	0.3660 00 APR 18	0 0 00 MAR 1	818	1981
1982	3.81 AT 13 30 CST 00 JUN 21	1.68 00 APR 27	0 0 00 MAR 1	3 910	1982
1983	3.15 AT 12 25 CST 00 APR 23	2.92 00 APR 23	0 0 00 MAR 1	0 660	1983
1984	4.31 AT 04 46 CST 00 APR 7	3.68 00 APR 11	0 0 00 MAR 1	13 800	1984
1985	20.3 AT 05 01 CST 00 APR 27	20.0 00 APR 27	0 0 00 MAR 1	50 700	1985
1986	4.70 AT 10 03 CST 00 APR 13	3.94 00 APR 8	0 0 00 MAR 1	0 730	1986
				10 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
C - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARROT RIVER NEAR NIPAWIN'S FARM - STATION NO 05AB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	8.39	11.7	3.56	---	---	---	---	---	---	---	1956
1982	---	---	0	3.48	0.919	0.000	0	0	0	---	---	---	---	1982
MEAN	---	---	0	5.43	6.11	1.80	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 53 04 00 N DRAINAGE AREA, 1 080 km^2
LONG 104 43 00 W NATURAL FLOW

CARROT RIVER NEAR NIPAWIN'S FARM - STATION NO 05AB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	51.0 00 APR 22 C	00 00 APR 1 C	---	1956
1982	---	12.0 00 APR 23	00 00 MAR 1	---	1982
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
C - EXTREME RECORDED FOR THE PERIOD OF RECORD

CORBOT RIVER NEAR SMOKY BURN - STATION NO 05KC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.207	[illegible]	155	28.4	6.14	0.804	0.402	0.881	---	---	---	1955
1956	---	---	0.283	0.0	205	11.6	3.06	1.78	0.582	0.810	---	---	---	1956
1957	---	---	0.081	[illegible]	115	5.45	1.86	0.883	0.443	0.745	---	---	---	1957
1958	---	---	0.527	0.0	7.06	2.78	1.06	0.338	1.42	2.14	---	---	---	1958
1959	---	---	0.235	0.0	18.6	2.08	1.84	0.504	0.819	1.73	---	---	---	1959
1960	---	---	0.115	0.0	31.0	8.87	2.06	0.858	0.077	0.213	---	---	---	1960
1961	---	---	0.105	0.0	6.50	0.193	0.085	0.042	0.005	0.087	0.085	---	---	1961
1962	---	---	0.106	0.0	21.0	0.985	0.123	0.183	0.827	0.358	---	---	---	1962
1963	---	---	0.657	0.0	1.37	0.985	4.03	0.975	0.935	0.389	---	---	---	1963
1964	---	---	0.306	0.0	8.50	0.435	0.252	0.375	2.35	2.04	---	---	---	1964
1965	---	---	0.100	0.0	25.8	32.5	11.3	5.28	1.52	2.36	---	---	---	1965
1966	---	---	0.105	0.0	37.2	19.0	8.52	3.06	2.28	1.15	---	---	---	1966
1967	---	---	0.468	0.0	82.8	6.86	0.822	0.952	0.253	0.593	---	---	---	1967
1968	---	---	0.6	0.0	6.77	3.82	4.09	1.17	3.34	1.01	---	---	---	1968
1969	---	---	0.500	0.0	11.2	1.61	0.423	0.471	0.152	6.77	---	---	---	1969
1970	---	---	0.383	0.0	44.2	7.82	23.4	0.972	0.294	1.23	---	---	---	1970
1971	---	---	0.261	[illegible]	11.1	2.12	4.50	1.87	0.872	4.29	---	---	---	1971
1972	---	---	0.202	[illegible]	92.2	8.56	1.12	0.384	0.219	0.898	---	---	---	1972
1973	---	---	0.309	[illegible]	7.21	29.9	24.3	10.2	1.39	1.49	---	---	---	1973
1974	---	---	0.210	[illegible]	105	31.6	6.16	8.30	5.65	6.50	---	---	---	1974
1975	---	---	0.861	0.0	61.3	17.3	4.96	0.910	0.428	1.65	---	---	---	1975
1976	---	---	0.349	0.0	6.03	7.79	5.12	0.881	0.228	0.380	---	---	---	1976
1977	---	---	0.306	0.0	7.13	4.59	0.419	1.38	2.55	1.60	---	---	---	1977
1978	---	---	0.263	[illegible]	32.5	3.06	2.26	2.85	2.68	5.80	3.92	1.22	---	1978
1979	0.582	0.385	0.278	[illegible]	176	37.8	5.75	0.456	0.382	0.883	0.827	0.431	30.5	1979
1980	0.386	0.252	0.247	0.0	9.56	0.490	0.895	1.07	1.82	2.04	1.00	0.435	5.48	1980
1981	0.311	0.238	0.193	0.0	3.17	0.897	0.759	0.736	0.292	2.48	2.19	0.831	1.85	1981
1982	0.040	0.002	0.029	0.0	12.3	13.8	1.89	0.434	0.855	1.19	0.535	0.337	7.31	1982
1983	0.431	0.410	0.300	0.0	17.8	12.9	13.2	1.52	2.58	1.81	1.55	0.899	7.58	1983
1984	0.519	0.332	0.881	0.0	33.1	40.0	3.80	0.269	0.502	1.81	1.13	0.843	12.0	1984
1985	0.430	0.488	0.480	0.0	49.8	15.9	5.17	2.50	1.42	2.41	1.27	0.375	23.5	1985
1986	0.380	0.310	0.920	0.0	11.4	2.85	0.832	0.857	0.305	0.851	0.572	0.898	7.15	1986
MEAN	0.396	0.318	1.60	0.0	45.2	11.3	4.82	1.86	1.18	1.80	1.31	0.852	12.1	MEAN

LOCATION - LAT 53 25 00 N DRAINAGE AREA 9 250 km²
LONG 102 00 30 W NATURAL FLOW

CORBOT RIVER NEAR SMOKY BURN - STATION NO 05KC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	INSTANTANEOUS MAXIMUM DISCHARGE (m³/s)			MAXIMUM DAILY DISCHARGE (m³/s)			MINIMUM DAILY DISCHARGE (m³/s)			TOTAL DISCHARGE (dam³)	YEAR
1955		---		286		ON MAY 8		---		---	1955
1956		---		504		ON MAY 9		---		---	1956
1957	9350	AT 01 00 CST 08 APR 56		697	A	ON APR 27		---		---	1957
1958		---		178	B	ON APR 7		---		---	1958
1959		---		185	B	ON APR 8		---		---	1959
1960	380	AT 20 00 CST 06 APR 19		255		ON APR 18		---		---	1960
1961		---		85.08		ON APR 21		---		---	1961
1962	870	AT 10 00 CST 06 APR 25		274		ON APR 25		---		---	1962
1963	1330	AT 03 00 CST 08 APR 12		109	B	ON APR 12		---		---	1963
1964		---		133	B	ON APR 15		---		---	1964
1965		---		201	B	ON APR 16		---		---	1965
1966	810	AT 16 00 CST 06 APR 19		374		ON APR 19		---		---	1966
1967	180	AT 22 00 CST 06 MAY 5		178		ON MAY 5		---		---	1967
1968		---		106	B	ON MAR 30		---		---	1968
1969	388	AT 17 00 CST 05 APR 17		263		ON APR 17		---		---	1969
1970	397	AT 18 00 CST 06 APR 24		294		ON APR 24		---		---	1970
1971	611	AT 11 00 CST 06 APR 18		402		ON APR 18		---		---	1971
1972	810	AT 10 19 CST 06 APR 26		816		ON APR 26	*	---		---	1972
1973		---		80.38		ON JUN 11		---		---	1973
1974	830	AT 18 00 CST 06 APR 22	*	804		ON APR 23		---		---	1974
1975	210	AT 13 22 CST 06 MAY 8		218		ON MAY 4		---		---	1975
1976	191	AT 09 40 CST 06 APR 12		150		ON APR 12		---		---	1976
1977		---		38.5		ON MAY 29		---		---	1977
1978	946	AT 16 30 CST 06 APR 24		345		ON APR 24		---		---	1978
1979	839	AT 19 00 CST 06 APR 26		622	B	ON APR 26		0.205	ON AUG 28	962 000	1979
1980	178	AT 20 30 CST 06 APR 20		178		ON APR 20		0.117E	ON JUN 23	205 000	1980
1981		---		19.38		ON MAR 31		0.037	ON SEP 8	61 800	1981
1982	266	AT 19 30 CST 06 APR 22		202		ON APR 22		0.0238	ON MAR 26	230 000	1982
1983	192	AT 19 00 CST 06 APR 28		180		ON APR 28		0.2458	ON MAR 8	239 000	1983
1984	193	AT 04 31 CST 06 APR 12		164		ON APR 12		0.031	ON AUG 18	378 000	1984
1985	537	AT 16 30 CST 06 APR 18		523		ON APR 18		0.2648	ON DEC 17	742 000	1985
1986	176	AT 19 00 CST 06 APR 10		175		ON APR 10		0.126	ON SEP 8	226 000	1986
										381 000	MEAN

A - REGULATION B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
1980 REFERENCE (1980=1) E - ESTIMATED

CARROT RIVER NEAR TURNBERRY - STATION NO 05KH007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	...	...	1.21	39.0	126	72.5	41.0	16.0	10.2	7.89	5.59	3.17	...	1965
1967	2.39	2.02	1.96	3.83	113	74.0	19.1	11.7	4.72	2.61	2.17	1.55	20.0	1967
1968	1.05	0.877	4.60	33.1	40.6	36.7	41.6	13.1	20.2	9.90	6.12	3.30	17.5	1968
1969	1.59	1.15	1.15	47.1	55.3	13.7	4.39	3.30	2.77	14.2	4.60	1.75	12.6	1969
1970	0.988	0.834	0.771	21.2	126	41.8	88.1	15.3	5.41	7.56	16.8	4.66	25.4	1970
1971	1.92	1.24	1.23	53.5	97.8	16.6	12.8	11.2	9.13	26.0	18.6	5.85	21.3	1971
1972	2.78	1.75	1.70	25.9	196	53.7	17.3	9.13	5.91	6.97	1.93	0.420	27.0	1972
1973	0.832	0.683	1.27	18.3	35.6	86.2	78.3	30.1	12.7	10.2	7.57	5.00	24.0	1973
1974	3.20	2.99	2.23	33.6	211	102	25.8	19.1	19.1	18.4	8.47	4.07	36.1	1974
1975	2.68	2.12	1.90	19.9	113	84.0	43.4	11.7	11.1	15.4	7.18	1.92	25.3	1975
1976	1.27	1.25	1.15	40.6	36.6	26.5	31.9	5.70	3.00	3.13	1.79	1.18	13.2	1976
1977	0.931	0.869	1.64	20.8	20.6	12.9	2.84	10.6	8.81	8.98	13.2	3.36	8.88	1977
1978	1.71	0.929	1.37	26.6	139	33.3	9.76	17.0	13.6	38.2	19.6	6.27	35.0	1978
1979	2.33	1.48	1.37	20.9	226	137	33.9	6.46	5.42	8.28	5.84	2.12	36.1	1979
1980	1.12	1.01	1.67	33.9	39.2	5.49	9.17	4.62	8.80	12.3	3.36	1.55	10.2	1980
1981	0.641	0.781	3.12	16.6	19.1	7.51	9.85	5.25	2.97	16.0	8.09	2.26	7.73	1981
1982	0.777	0.362	0.335	21.5	98.6	46.1	11.5	4.23	5.26	8.27	3.26	1.46	13.5	1982
1983	1.61	1.37	1.33	16.2	81.7	56.7	46.6	14.9	15.6	13.0	7.16	2.13	21.0	1983
1984	1.39	1.46	1.88	59.6	84.0	92.2	43.1	7.47	5.06	17.5	7.85	3.40	27.0	1984
1985	2.16	1.76	2.06	70.7	172	57.5	24.2	16.7	11.5	18.0	7.50	1.87	32.3	1985
1986	2.22	2.04	2.07	54.2	73.1	24.5	6.90	8.07	5.04	9.35	2.22	2.23	16.0	1986
MEAN	1.87	1.33	1.70	32.2	97.1	52.0	27.4	11.4	8.96	13.0	7.65	2.83	21.3	MEAN

LOCATION - LAT 53 36 00 N DRAINAGE AREA 12 600 km²
LONG 102 07 00 W NATURAL FLOW

CARROT RIVER NEAR TURNBERRY - STATION NO 05KH007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	...	183 ON MAY 4	...	...	1965
1967	...	189 ON MAY 26	1.35 B ON DEC 31	631 000	1967
1968	...	88.8 ON JUL 1	0.7938 ON FEB 28	554 000	1968
1969	...	110 ON APR 29	1.05 E ON SEP 21	398 000	1969
1970	...	182 ON MAY 8	0.7858 ON MAR 5	800 000	1970
1971	...	193 A ON MAY 1	1.16 B ON FEB 15	673 000	1971
1972	226 AT 21 00 CST ON MAY 9	227 ON MAY 5	0.3318 ON DEC 11	853 000	1972
1973	126 AT 12 42 CST ON JUN 23	126 ON JUN 23	0.5278 ON JAN 1	768 000	1973
1974	...	248 ON MAY 2 *	2.12 B ON MAR 16	1 200 000	1974
1975	...	138 ON MAY 21	1.44 B ON DEC 31	830 000	1975
1976	84.8 AT 10 15 CST ON APR 26	84.6 ON APR 26	0.9778 ON DEC 31	417 000	1976
1977	47.38 AT 19 34 CST ON APR 17	46.4 ON APR 16	0.5838 ON FEB 2	280 000	1977
1978	200 AT 16 29 CST ON MAY 8	200 ON MAY 7	0.6098 ON MAR 31	788 000	1978
1979	...	241 ON MAY 4	1.36 B ON MAR 10	1 200 000	1979
1980	85.4 AT 16 04 CST ON APR 23	84.0 ON APR 23	0.9350 ON FEB 12	332 000	1980
1981	41.0 AT 03 14 CST ON JUL 17	38.9 ON JUL 17	0.4988 ON JAN 12	244 000	1981
1982	82.9 AT 20 30 CST ON MAY 4	82.8 ON MAY 5	0.1818 ON MAR 2 *	437 000	1982
1983	90.2 AT 22 53 CST ON JUN 15	89.6 ON JUN 16	0.7988 ON MAR 12	662 000	1983
1984	...	109 E ON JUN 8	1.14 B ON MAR 17	854 000	1984
1985	241 AT 16 17 CST ON MAY 1 *	240 ON MAY 1	1.91 B ON DEC 19	1 030 000	1985
1986	...	91.28 ON APR 16	1.46 B ON FEB 27	805 000	1986
				671 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CATON DITCH NEAR RAVENSCRAG - STATION NO 11AC035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	...	...	...	...	...	...	...	...	...	...	...	...	...	1919
1920	...	...	0	0	0.053	0.081	0.043	0	0	0	...	...	0.022	1920
1921	...	...	0	0	0	0.037	0	0	0	0	...	...	0.005	1921
1922	...	...	0	0	0.117	0.133	0.013	0	0	0	...	...	0.033	1922
1923	...	...	0	0	0.081	0.085	0	0	0	0	...	...	0.022	1923
1924	...	...	0	0	0.034	0.006	0	0	0	0	...	...	0.005	1924
1925	...	...	0	0	0.008	0.078	0.033	0	0	0	...	...	0.015	1925
1926	...	...	0	0	0.035	0.022	0	0	0	0	...	...	0.007	1926
1927	...	...	0	0	0	0	0	0	0	0	...	...	0	1927
1928	...	...	0	0	0	0	0	0	0	0	...	...	0	1928
1929	...	...	0	0	0.022	0.089	0.011	0	0	0	...	...	0.015	1929
1930	...	...	0	0	0.035	0.104	0.052	0	0	0	...	...	0.024	1930
MEAN	...	...	0	0	0.035	0.059	0.018	0	0	0	...	...	0.013	MEAN

LOCATION - LAT 49 30 20 N
LONG 109 14 50 W REGULATED

CATON DITCH NEAR RAVENSCRAG - STATION NO 11AC035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0 ON AUG 25 *	---	1919
1920	---	0 095 ON JUN 18	0 ON MAR 1	485	1920
1921	---	0 097 ON JUN 15	0 ON MAR 1	36 9	1921
1922	---	0 252 ON MAY 23 *	0 ON MAR 1	896	1922
1923	---	0 218 ON MAY 11	0 ON MAR 1	462	1923
1924	---	0 093 ON MAY 14	0 ON MAR 1	107	1924
1925	---	0 139 ON JUN 10	0 ON MAR 1	306	1925
1926	---	0 095 ON MAY 27	0 ON MAR 1	152	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 142 ON JUN 2	0 ON MAR 1	319	1929
1930	---	0 150 ON MAY 28	0 ON MAR 1	531	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		282	MEAN

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO 07LC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	4 72	---	---	1973
1974	---	---	---	---	---	---	---	15 1	11 6	8 48	7 39	---	---	1974
1975	---	---	---	---	---	---	18 0	13 6	9 00	7 03	7 319	---	---	1975
1976	7 119	6 888	6 36	7 13	27 5	31 7	22 2	14 3	11 3	10 1	9 29	8 44	13 6 R	1976
1977	7 39	7 01	6 33	6 87	13 6	36 1	41 1	35 1	32 2	26 9	22 6	17 0	21 0	1977
1978	13 1	9 94	7 78	8 82	14 6	33 3	16 3	14 1	12 3	12 3	11 1	9 60	12 5	1978
1979	7 81	6 22	5 45	4 88	7 00	17 3	14 4	10 6	7 00	5 95	6 11	5 31	8 39	1979
1980	4 81	4 45	4 13	4 36	5 60	10 6	12 2	9 19	6 28	5 75	5 74	5 73	6 65	1980
1981	5 24	4 85	4 42	4 40	8 84	13 9	12 6	11 0	9 48	8 36	7 55	7 52	8 23	1981
1982	8 90	5 38	4 92	4 87	14 1	34 6	22 8	19 0	17 3	15 0	11 1	9 87	12 9	1982
1983	8 49	7 02	6 09	5 73	6 79	16 3	16 5	17 0	16 0	13 3	12 1	10 3	11 3	1983
1984	8 46	7 31	6 48	9 12	33 1	33 0	21 0	20 5	17 1	15 1	12 8	11 3	14 5	1984
1985	9 42	7 93	7 54	7 85	21 5	30 8	13 4	9 77	9 96	9 90	9 47	8 13	11 3	1985
1986	7 03	6 58	5 92	6 49	15 6	32 8	30 4	23 9	22 6	15 7	11 5	9 46	15 6	1986
MEAN	7 789	6 878	5 95	6 11	14 6	23 3	20 4	15 6	14 0	12 0	9 910	9 33	12 4	MEAN

LOCATION - LAT 59 19 10 N DRAINAGE AREA 6 580 km^2
LONG 105 18 10 W NATURAL FLOW

R - REVISED SINCE JAN 1980

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO 07LC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	37 9 AT 21 04 CST ON MAY 28	37 7 ON MAY 25	---	---	1976
1977	43 5 AT 15 45 CST ON JUL 8 *	43 0 ON JUN 30 *	5 75 ON APR 11	420 000R	1977
1978	---	35 36 ON JUN 7	5 51 ON APR 23	862 000	1978
1979	20 2 AT 00 48 CST ON JUN 22	20 1 ON JUN 21	4 77 ON APR 13	384 000	1979
1980	12 8 AT 23 20 CST ON JUN 28	12 8 ON JUN 28	3 80 ON APR 15 *	265 000	1980
1981	14 6 AT 01 52 CST ON JUN 9	14 5 ON JUN 8	4 33 ON APR 2	210 000	1981
1982	35 8 AT 15 31 CST ON JUN 22	25 5 ON JUN 14	4 77 ON APR 28	289 000R	1982
1983	---	31 08 ON JUN 30	5 44 ON APR 16	405 000	1983
1984	---	25 08 ON MAY 1	6 150 ON APR 5	455 000	1984
1985	26 3 AT 23 02 CST ON MAY 22	26 1 ON MAY 23	7 17 ON MAY 2	357 000	1985
1986	---	35 28 ON JUN 4	5 276 ON MAY 2	493 000	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		390 000R	MEAN

CHURCHILL RIVER ABOVE DIPPER RAPIDS - STATION NO 06BB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	177	138	110	101	80 8	---	1967
1968	84 0	79 5	76 3	77 8	93 4	93 0	80 1	72 0	73 3	69 1	92 4	87 8	83 1	1968
1969	82 4	76 5	69 7	99 4	138	143	125	114	104	112	105	88 7	105	1969
1970	77 0	69 9	64 6	94 1	134	---	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	244	262	243	215	189	---	---	---	1971
MEAN	81 1	76 3	76 5	89 1	131	160	162	152	130	125	99 6	89 1	94 1	MEAN

LOCATION - LAT 55 57 40 N DRAINAGE AREA 85 000 km^2
LONG 107 28 20 W NATURAL FLOW

CHURCHILL RIVER ABOVE DIPPER RAPIDS - STATION NO 05BB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	1030 ON NOV 12	88.7 ON APR 2	2 830 000	1968
1969	187 AT 17 00 CST ON JUN 10 *	788 ON JUN 9 *	83.6 ON APR 9 *	3 300 000	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 970 000	MEAN

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO 05CD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	---	---	---	---	---	315	285	223	---	1963
1964	183	169	164	183	248	308	252	225	264	340	301	290	247	1964
1965	245	215	197	192	327	438	467	484	491	405	4610	4090	3890	1965
1966	3720	336	301	280	397	393	380	346	308	269	247	235	2080	1966
1967	210	200	192	183	211	344	288	288	333	353	308	178	259	1967
1968	183	169	133	139	190	184	172	168	135	137	185	168	168	1968
1969	167	165	153	147	234	239	210	209	181	236	232	204	198	1969
1970	183	165	185	167	205	285	535	533	537	485	4700	4695	3460	1970
1971	383	340	309	316	356	381	430	454	384	330	292	295	364	1971
1972	340	338	306	302	369	446	380	329	283	308	313	276	289	1972
1973	332	309	186	181	248	353	484	543	483	469	463	4748	2684	1973
1974	4630	400	370	370	622	790	884	883	781	689	604	5248	6110	1974
1975	4720	4210	368	349	412	460	483	505	485	476	444	3958	4410	1975
1976	3528	3129	286 B	280	298	295	446	532	474	428	395	345	3700	1976
1977	286	256	234	238	227	428	411	381	361	331	310	268	317	1977
1978	233	218	197	189	224	501	468	377	358	374	382	321	327	1978
1979	278	244	227	221	278	428	469	405	380	380	388	361	338	1979
1980	309	271	247	236	268	290	314	311	285	282	302	272	295	1980
1981	230	205	196	206	285	295	267	311	189	160	136	138	203	1981
1982	151	105	92 B	86 B	171	298	301	288	273	220	184	171	195	1982
1983	155	149	138	138	161	287	312	255	203	173	168	155	192	1983
1984	139	131	123	133	174	238	239	218	181	168	185	169	173	1984
1985	187	167	143	152	307	413	477	389	356	295	238	193	265	1985
1986	178	159	154	157	243	377	384	455	389	331	275	240	279	1986
MEAN	2488	2258	207 B	206	281	362	392	381	347	329	3100	2789	298	MEAN

LOCATION - LAT 55 38 47 N DRAINAGE AREA 119 000 km^2 B - REVISED SINCE JAN 1986
LONG 104 46 05 W NATURAL FLOW

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO 05CD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	368 ON OCT 29	180 B ON APR 23	7 800 000	1964
1965	---	4080 ON OCT 8	187 ON MAR 28	11 800 000R	1965
1966	442 AT 01 00 CST ON JAN 1	395 ON JUN 25	214 ON DEC 31	9 740 000R	1966
1967	---	418 ON JUL 26	171 E ON DEC 27	8 180 000	1967
1968	181 AT 15 30 CST ON JUL 14	180 ON JUL 14	122 E ON APR 10	6 680 000	1968
1969	251 AT 01 30 CST ON OCT 27	251 ON OCT 26	131 ON MAR 27	8 120 000	1969
1970	578 AT 17 28 CST ON JUL 15	570 ON JUL 15	146 ON APR 12	10 900 000R	1970
1971	493 AT 15 40 CST ON JUL 28	470 ON JUL 28	257 ON DEC 30	11 200 000	1971
1972	487 AT 00 04 CST ON JUN 9	469 ON JUN 9	185 ON APR 2	9 460 000	1972
1973	564 AT 10 54 CST ON AUG 4	561 ON AUG 3	187 ON APR 8	11 900 000R	1973
1974	932 AT 21 50 CST ON JUL 30 *	936 ON JUL 30 *	351 ON MAR 28	19 300 000R	1974
1975	561 AT 01 13 CST ON JAN 7	513 ON AUG 11	340 ON APR 3	13 800 000R	1975
1976	589 AT 00 12 CST ON JUL 28	589 ON JUL 28	251 E ON FEB 29	11 700 000R	1976
1977	442 AT 09 07 CST ON JUN 10	439 ON JUN 9	231 ON APR 12	10 000 000	1977
1978	526 AT 23 24 CST ON JUN 30	521 ON JUL 1	187 E ON APR 10	10 300 000	1978
1979	459 AT 11 41 CST ON JUL 13	457 ON JUL 15	214 ON APR 8	10 700 000	1979
1980	330 AT 00 01 CST ON JAN 1	328 ON JAN 1	208 ON AUG 6	8 000 000	1980
1981	---	3026 ON JUN 2	123 ON DEC 28	8 410 000	1981
1982	326 AT 17 28 CST ON JUN 23	323 ON JUN 23	88 SB ON APR 2 *	6 190 000	1982
1983	343 AT 09 35 CST ON JUN 29	342 ON JUN 29	135 E ON APR 8	8 640 000	1983
1984	293 AT 08 26 CST ON JUN 28	293 ON JUN 28	131 ON APR 2	8 480 000	1984
1985	593 AT 19 52 CST ON JUL 8	591 ON JUL 8	139 ON MAR 29	8 600 000	1985
1986	489 AT 08 00 CST ON AUG 12	489 ON AUG 12	148 ON MAR 25	8 600 000	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986	9 410 000R	MEAN

CHURCHILL RIVER ABOVE WINTEGO RAPIDS - STATION NO 05EA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	--	---	---	516	---	---	---	---	1986
MEAN	---	---	---	---	---	---	---	---	516	---	---	---	---	MEAN

LOCATION - LAT 55 34 30 N DRAINAGE AREA 210 000 km²
LONG 102 49 48 W REGULATED SINCE 1929

CHURCHILL RIVER AT SANDY BAY - STATION NO 05EA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	---	---	---	---	394	377	351	---	1928
1929	310	305	331	298	309	378	587	665	654	645	596	507	475	1929
1930	522	529	519	510	528	785	764	594	588	582	574	569	595	1930
1931	552	535	503	576	733	822	937	955	986	994	943	859	783	1931
1932	798	718	653	645	862	1 180	1 280	1 540	1 820	1 380	1 120	925	1 080	1932
1933	790	722	708	674	1 010	1 210	1 250	1 270	1 120	965	882	792	953	1933
1934	763	714	670	657	1 230	1 490	1 460	1 320	1 150	1 070	1 010	898	1 040	1934
1935	815	782	681	690	912	1 010	925	897	855	804	780	694	817	1935
1936	636	583	558	543	676	742	787	752	697	636	587	535	645	1936
1937	498	448	418	422	470	472	480	414	353	292	298	267	403	1937
1938	282	274	269	278	371	413	387	318	283	321	329	340	323	1938
1939	343	319	309	312	437	612	670	684	685	594	584	552	510	1939
1940	497	497	430	397	442	485	428	337	310	302	345	308	395	1940
1941	312	310	309	309	314	313	306	324	314	325	331	334	317	1941
1942	349	336	334	350	388	416	391	356	357	402	405	395	373	1942
1943	397	404	405	413	410	390	394	406	397	432	415	398	405	1943
1944	403	401	399	385	380	341	386	340	389	558	552	542	421	1944
1945	527	508	489	468	586	610	612	549	517	703	708	643	574	1945
1946	589	540	515	550	705	753	761	851	1 180	884	857	858	889	1946
1947	452	444	430	418	587	1 180	1 310	881	698	574	711	786	713	1947
1948	815	749	714	694	880	1 040	1 190	1 050	780	700	836	807	820	1948
1949	557	534	522	528	642	887	1 400	1 510	1 380	1 010	835	758	889	1949
1950	701	650	618	605	652	843	814	775	712	579	529	558	670	1950
1951	541	527	516	515	588	847	888	938	883	757	670	622	700	1951
1952	580	804	576	553	523	559	567	523	531	512	577	534	553	1952
1953	523	533	519	534	578	562	567	549	536	548	603	589	553	1953
1954	561	545	527	514	578	711	822	1 240	1 290	954	870	792	785	1954
1955	866	635	664	738	985	952	918	791	700	780	820	778	785	1955
1956	742	706	677	687	847	661	524	532	528	511	520	518	594	1956
1957	532	537	521	501	528	864	857	840	811	699	578	525	592	1957
1958	618	580	578	577	783	839	824	740	751	732	713	685	711	1958
1959	837	803	597	617	773	1 130	1 230	1 040	949	903	714	890	824	1959
1960	851	849	828	587	727	1 300	1 510	1 280	1 130	898	822	756	814	1960
1961	856	699	705	712	928	1 030	778	884	841	656	638	653	731	1961
1962	861	870	850	850	886	883	887	832	798	741	679	884	770	1962
1963	702	756	735	743	767	764	1 080	778	849	784	730	892	782	1963
1964	701	685	682	676	767	709	584	656	857	893	868	797	739	1964
1965	728	705	708	700	829	901	891	904	889	885	880	798	818	1965
1966	753	729	783	748	707	823	826	723	622	650	591	588	710	1966
1967	629	851	629	616	651	767	829	810	834	588	885	888	677	1967
1968	703	725	709	675	695	833	808	802	813	835	819	856	858	1968
1969	677	672	641	711	831	845	585	801	680	670	680	685	652	1969
1970	659	650	637	642	652	858	890	738	750	857	871	884	689	1970
1971	652	498	427	429	510	583	822	1 140	979	867	793	800	712	1971
1972	787	800	773	792	862	957	833	753	716	773	759	752	808	1972
1973	761	737	741	726	770	772	747	880	804	787	781	787	787	1973
1974	787	736	771	853	1 030	1 210	1 310	1 300	1 240	1 070	976	902	1 010	1974
1975	845	937	947	986	1 050	1 030	1 000	1 070	1 080	987	871	856	989	1975
1976	854	807	780	767	811	889	910	1 080	1 200	1 200	987	891	898	1976
1977	870	896	843	884	830	1 280	1 430	1 350	1 120	825	784	814	991	1977
1978	877	859	807	763	788	900	804	773	789	1 140	958	938	865	1978
1979	892	926	890	832	887	898	760	652	682	847	871	887	831	1979
1980	887	886	854	843	872	892	687	731	717	742	789	826	793	1980
1981	819	783	748	696	700	647	583	582	627	645	652	617	674	1981
1982	623	587	556	480	513	623	487	480	496	448	603	703	548	1982
1983	694	671	643	619	491	545	542	457	745	889	704	704	626	1983
1984	722	740	713	741	628	720	696	570	542	605	662	705	670	1984
1985	742	718	666	806	758	732	782	647	603	549	634	887	677	1985
1986	744	749	732	681	747	653	641	716	599	705	720	771	705	1986
MEAN	663	629	609	606	691	782	809	786	782	717	684	685	700	MEAN

LOCATION - LAT 55 31 24 N DRAINAGE AREA 212 000 km²
LONG 102 19 06 W REGULATED SINCE 1928

REMARKS - PRIOR TO 1975 RECORDS COLLECTED BY CHURCHILL RIVER POWER COMPANY

CHURCHILL RIVER AT SANDY BAY · STATION NO 08EA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	...	...	...	...	1928
1929	...	880 ON JUL 31	2938 ON APR 1	15 000 000	1929
1930	...	867 ON AUG 5	0 ON MAY 17 *	18 900 000	1930
1931	...	1 030 ON SEP 29	4878 ON MAR 31	24 700 000	1931
1932	...	1 700 ON SEP 9 *	589 ON APR 4	33 500 000	1932
1933	...	1 310 ON AUG 9	646 ON APR 17	30 100 000	1933
1934	...	1 590 ON JUN 29	843 ON MAR 18	32 700 000	1934
1935	...	1 040 ON JUN 8	640 ON APR 7	25 800 000	1935
1936	...	804 ON JUL 5	524 ON DEC 7	20 400 000	1936
1937	...	524 ON JAN 1	284 ON DEC 5	12 700 000	1937
1938	...	464 ON JUN 24	249 ON SEP 18	10 200 000	1938
1939	...	745 ON SEP 1	286 ON APR 23	16 100 000	1939
1940	...	527 ON FEB 6	277 ON OCT 13	12 500 000	1940
1941	...	374 ON AUG 16	289 ON MAY 27	10 000 000	1941
1942	...	439 ON NOV 6	323 ON JAN 1	11 800 000	1942
1943	...	481 ON JUN 25	326 ON AUG 13	12 800 000	1943
1944	...	637 ON OCT 17	311 ON AUG 24	13 300 000	1944
1945	...	762 ON OCT 24	430 ON MAR 31	18 100 000	1945
1946	...	1 210 ON SEP 6	394 ON DEC 1	21 100 000	1946
1947	...	1 360 ON JUL 4	413 ON APR 6	22 500 000	1947
1948	...	1 230 ON JUN 28	585 ON DEC 26	25 800 000	1948
1949	...	1 550 ON JUL 20	496 ON MAR 27	28 000 000	1949
1950	...	872 ON JUN 20	504 ON NOV 25	21 100 000	1950
1951	...	988 ON AUG 7	498 ON MAR 24	22 100 000	1951
1952	...	623 ON FEB 18	476 ON OCT 22	17 500 000	1952
1953	...	646 ON JUN 27	484 ON MAR 15	17 500 000	1953
1954	...	1 440 ON SEP 11	482 ON MAY 7	24 800 000	1954
1955	...	1 120 ON MAY 13	597 ON FEB 28	24 800 000	1955
1956	...	787 ON JAN 1	433 ON SEP 3	18 800 000	1956
1957	...	773 ON MAY 30	430 ON APR 20	18 600 000	1957
1958	...	872 ON JUN 6	558 ON MAR 17	22 400 000	1958
1959	...	1 390 ON JUN 27	575 ON MAR 8	26 000 000	1959
1960	...	1 500 ON JUL 13	476 ON APR 24	28 000 000	1960
1961	...	1 070 ON JUN 6	561 ON DEC 4	23 100 000	1961
1962	...	1 180 ON MAY 19	617 ON APR 9	24 300 000	1962
1963	...	1 270 ON JUL 17	631 ON DEC 15	24 600 000	1963
1964	...	994 ON SEP 19	513 ON JUL 20	23 400 000	1964
1965	...	946 ON JUN 7	654 ON APR 25	25 800 000	1965
1966	...	949 ON JUN 17	549 ON DEC 4	22 400 000	1966
1967	...	886 ON JUL 21	532 ON OCT 9	21 300 000	1967
1968	...	778 ON MAY 3	555 ON NOV 11	20 700 000	1968
1969	...	793 ON APR 26	515 ON JUL 27	20 800 000	1969
1970	...	988 ON JUL 8	586 ON MAR 8	21 800 000	1970
1971	...	1 250 ON JUL 30	394 ON MAR 15	22 500 000	1971
1972	...	1 120 ON MAY 29	685 ON SEP 9	25 500 000	1972
1973	...	900 ON AUG 10	685 ON JUL 2	24 200 000	1973
1974	...	1 390 ON JUL 13	674 ON JAN 15	31 900 000	1974
1975	...	1 190 ON MAY 28	789 ON JAN 22	30 600 000	1975
1976	1 300 AT 18 30 CST ON SEP 17	1 300 ON SEP 17	589 ON MAY 24	28 100 000	1976
1977	1 480 AT 19 27 CST ON JUL 11 *	1 460 ON JUL 7	731 ON MAY 14	31 200 000	1977
1978	1 210 AT 15 20 CST ON OCT 20	1 210 ON OCT 16	706 ON SEP 16	27 300 000	1978
1979	1 020 AT 14 07 CST ON DEC 24	1 010 ON DEC 24	603 ON SEP 1	26 200 000	1979
1980	932 AT 10 04 CST ON FEB 27	927 ON FEB 26	616E ON MAY 19	24 400 000	1980
1981	861 AT 19 26 CST ON JAN 16	860 ON JAN 16	541 ON AUG 3	21 300 000	1981
1982	...	730 ON DEC 25	396A ON OCT 3	17 300 000	1982
1983	1 000 AT 13 51 CST ON SEP 23	996 ON SEP 23	382 ON AUG 22	19 700 000	1983
1984	828 AT 10 59 CST ON APR 15	822 ON APR 15	496 ON OCT 5	21 200 000	1984
1985	885 AT 08 05 CST ON JUL 4	892 ON JUL 4	493 ON OCT 14	21 300 000	1985
1986	877 AT 07 57 CST ON MAY 28	873 ON MAY 24	526 ON JUL 15	22 200 000	1986
MEAN				23 100 000	MEAN

A · MANUAL GAUGE (SEE REFERENCE INDEX)
B · ICE CONDITIONS
E · ESTIMATED
* · EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER BELOW TRADE LAKE · STATION NO 08CD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	...	...	...	...	...	185	188	179	172	180	183	187	...	1968
1969	...	...	...	...	220	243	215	209	216	248	238	203	...	1969
1970	...	...	...	170	198	...	...	...	662	583	...	...	...	1970
MEAN	...	...	...	170	209	214	202	194	350	337	211	195	...	MEAN

LOCATION · LAT 55 27 10 N LONG 103 26 40 W
DRAINAGE AREA, 140 000 km^2
NATURAL FLOW

CHURCHILL RIVER NEAR PATUANAK · STATION NO 06BB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	104	101	87 3	---	1972
1973	95 0	92 1	88 5	80 1	109	129	183	199	215	232	216	220	156	1973
1974	225	209	188	192	446	577	569	501	465	429	357	304	373	1974
1975	253	222	193	185	234	282	290	301	293	271	246	221	246	1975
1976	185	181	184	182	173	189	187	202	193	180	184	167	176	1976
1977	133	123	114	115	137	177	179	172	152	145	135	128	143	1977
1978	120	110	101	101	153	207	196	182	148	151	144	135	144	1978
1979	123	116	112	109	137	190	203	178	174	178	169	153	154	1979
1980	140	127	113	110	117	107	94 9	80 4	103	124	124	119	114	1980
1981	120	113	108	107	116	112	102	90 8	74 6	82 1	85 2	83 2	82 5	1981
1982	81 3	80 4	47 4	45 9	74 2	102	99 9	83 2	78 0	70 3	85 4	85 0	70 5	1982
1983	85 4	83 9	82 4	85 0	75 8	81 5	84 6	77 5	71 3	81 8	81 1	81 8	89 4	1983
1984	89 0	86 5	83 3	84 8	74 9	114	115	102	84 8	81 3	83 8	84 2	80 7	1984
1985	80 4	76 0	71 1	74 6	143	187	180	155	133	117	110	102	120	1985
1986	94 9	87 6	80 6	83 2	109	130	139	162	147	136	126	121	118	1986
MEAN	129	116	107	106	150	182	187	178	157	156	144	134	147	MEAN

LOCATION · LAT 55 55 30 N DRAINAGE AREA 78 700 km²
LONG 107 43 40 W NATURAL FLOW

CHURCHILL RIVER NEAR PATUANAK · STATION NO 06BB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	254 AT 20 55 CST ON OCT 14	243 ON OCT 15	85 2 ON APR 9	4 930 000	1973
1974	880 AT 00 14 CST ON JUN 25 *	814 ON MAY 29 *	176 ON APR 18	11 800 000	1974
1975	345 AT 00 15 CST ON JUL 4	311 ON AUG 9	180 E ON APR 15	7 780 000	1975
1976	226 AT 08 54 CST ON JUL 27	216 ON JUL 27	140 ON DEC 31	5 570 000	1976
1977	207 AT 02 02 CST ON JUN 26	190 ON JUL 19	108 ON APR 8	4 500 000	1977
1978	235 AT 23 45 CST ON JUN 28	218 ON JUN 16	97 4 ON APR 7	4 550 000	1978
1979	237 AT 12 03 CST ON JUL 7	213 ON JUN 25	107 E ON APR 14	4 850 000	1979
1980	158 AT 09 39 CST ON OCT 30	145 ON JAN 1	87 0A ON AUG 27	3 610 000	1980
1981	131 AT 17 55 CST ON JUL 8	122 ON JAN 6	50 0E ON DEC 31	2 920 000	1981
1982	137 AT 16 59 CST ON JUL 22	108 ON JUN 23	43 0 ON APR 10 *	2 220 000	1982
1983	104 AT 16 36 CST ON SEP 16	93 4 ON SEP 16	53 7 ON NOV 2	2 180 000	1983
1984	147 AT 16 10 CST ON JUN 30	126 ON JUN 30	52 3 ON MAR 28	2 550 000	1984
1985	---	197 ON JUN 17	87 8 ON APR 8	2 770 000	1985
1986	184 AT 20 57 CST ON AUG 15	169 ON AUG 13	77 1 ON APR 3	3 730 000	1986
MEAN				4 640 000	MEAN

A · MANUAL GAUGE
(SEE REFERENCE INDEX) E · ESTIMATED * · EXTREME RECORDED FOR THE PERIOD OF RECORD

CLARKE AND THOMPSON DITCH NEAR EASTEND · STATION NO 11AC036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	---	1912
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION · LAT 49 32 10 N
LONG 108 48 40 W REGULATED

REMARKS · NO WATER WAS DIVERTED FROM 1912-22

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE · STATION NO 07CD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	21 0	18 4	---	1973
1974	15 6	13 8	12 5	15 7	41 5	42 0	38 6	34 7	29 6	28 7	25 5	21 0	28 7	1974
1975	19 7	16 2	14 6	16 2	37 0	36 9	34 8	30 1	29 2	32 1	29 4	25 4	28 9	1975
1976	21 2	18 0	16 1	25 4	36 4	32 3	25 4	24 2	27 2	28 4	25 1	20 8	25 1	1976
1977	17 6	15 7	15 9	21 7	35 4	36 9	36 1	31 6	28 3	26 3	22 2	17 3	25 8	1977
1978	15 5	14 3	13 6	16 2	33 3	31 0	30 7	23 7	25 9	33 6	27 8	22 1	24 0	1978
1979	21 8	20 1	19 1	18 3	34 8	40 3	31 5	24 5	24 2	27 1	24 9	23 1	25 9	1979
1980	19 9	18 0	17 3	21 6	37 6	20 7	17 1	15 8	15 8	18 2	16 2	14 8	18 8	1980
1981	13 3	13 2	13 8	16 9	28 7	25 3	19 1	14 7	11 3	11 2	12 4	13 4	16 1	1981
1982	11 6	9 05	8 15	9 09	26 8	32 6	24 0	22 6	21 4	20 3	18 2	17 6	18 7	1982
1983	16 4	15 9	16 2	19 4	32 6	32 0	25 0	20 1	20 3	21 8	21 1	18 4	21 6	1983
1984	16 5	16 6	16 3	22 9	27 9	24 8	22 0	20 9	21 2	22 7	21 3	19 6	21 0	1984
1985	16 6	14 5	14 1	16 5	41 0	35 9	27 7	21 8	20 7	22 9	22 9	20 2	23 1	1985
1986	16 2	17 2	20 1	37 0	33 2	32 6	35 3	28 7	25 9	21 9	20 2	25 6	1986
MEAN	17 3	15 5	14 9	18 7	34 0	32 6	28 1	24 6	23 4	24 7	22 1	19 5	23 0	MEAN

LOCATION · LAT 57 18 50 N DRAINAGE AREA 4 280 km²
LONG 105 45 50 W NATURAL FLOW

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE - STATION NO. 07CD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	51.0 IN JUN *	43.6 ON JUN 18	12.1 ON MAR 31	843 000	1974
1975	42.8 AT 17 40 CST ON MAY 25	40.5 ON MAY 25	13.6 ON APR 8	847 000	1975
1976	45.3 AT 17 07 CST ON MAY 3	40.2 ON MAY 9	15.5 ON MAR 30	792 000	1976
1977	43.9 AT 18 15 CST ON JUN 8	39.8 ON JUN 10	15.3 E ON MAR 1	809 000	1977
1978	41.6 AT 12 28 CST ON OCT 16	36.2 ON MAY 26	13.1 ON MAR 6	758 000	1978
1979	47.2 AT 18 33 CST ON MAY 27	44.7 ON MAY 28 *	16.3 ON APR 5	817 000	1979
1980	36.6 AT 12 35 CST ON MAY 5	33.1 ON MAY 5	13.8 ON AUG 27	588 000	1980
1981	32.2 AT 12 26 CST ON MAY 20	30.7 ON MAY 20	9.07 ON SEP 28	508 000	1981
1982	40.1 AT 14 00 CST ON MAY 24	37.1 ON MAY 31	7.86 ON MAR 26 *	588 000	1982
1983	37.6 AT 19 35 CST ON MAY 21	34.9 ON MAY 22	15.6 ON FEB 5	683 000	1983
1984	33.1 AT 18 51 CST ON JUN 1	29.6 ON MAY 22	15.6 E ON FEB 15	664 000	1984
1985	---	42.5E ON MAY 9	13.9 ON MAR 2	730 000	1985
1986	46.9 AT 18 02 CST ON JUN 2	41.2 ON JUN 2	15.8 ON MAR 24	808 000	1986
				726 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COLD RIVER AT OUTLET OF COLD LAKE - STATION NO. 05AF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	---	---	---	---	23.8	22.6	16.4	11.8	8.18	5.88	---	1952
1953	5.20	5.65	5.93	6.75	8.71	10.9	13.9	18.3	15.1	8.72	7.22	5.85	9.37	1953
1954	2.81	2.11	4.89	6.79	15.0	49.8	56.9	75.8	79.7	56.3	36.6	27.5	34.7	1954
1955	23.5	22.8	19.6	24.7	45.7	46.0	37.9	24.8	14.8	9.78	6.94	6.31	23.6	1955
1956	7.00	7.53	7.91	8.70	14.6	19.8	26.3	23.2	19.6	16.9	12.6	10.4	14.6	1956
1957	10.8	10.6	10.7	10.2	14.5	17.4	19.8	20.3	17.4	14.8	12.0	8.91	14.0	1957
1958	8.39	9.17	9.47	14.5	29.0	30.1	21.1	13.5	9.88	7.19	4.64	3.13	13.4	1958
1959	3.00	3.44	4.79	7.14	10.6	14.8	20.0	15.2	23.5	---	---	---	---	1959
MEAN	8.67	8.78	8.99	11.3	19.7	27.0	27.5	26.7	24.5	17.9	12.8	9.71	18.3	MEAN

LOCATION - LAT 54 34 00 N
LONG 109 50 10 W

DRAINAGE AREA, 6 420 km^2
NATURAL FLOW

COLD RIVER AT OUTLET OF COLD LAKE - STATION NO. 05AF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	---	---	---	---	1952
1953	---	15.3 ON AUG 10	5.078 ON DEC 31	286 000	1953
1954	---	90.0 ON AUG 23 *	1.988 ON FEB 8	1 080 000	1954
1955	---	49.8 ON MAY 30	5.898 ON DEC 20	742 000	1955
1956	---	27.9 ON JUL 15	6.858 ON JAN 4	480 000	1956
1957	---	22.8 ON JUL 24	8.198 ON DEC 31	441 000	1957
1958	---	32.8 ON MAY 31	1.168 ON DEC 5 *	421 000	1958
1959	---	27.5E ON SEP 24	2.818 ON JAN 22	---	1959
				575 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONGLOMERATE CREEK AT CROSS RANCH - STATION NO. 11AC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	0.130	0.159	---	---	---	---	1908
1909	---	---	---	---	0.739	0.527	0.444	0.212	0.247	0.286	---	---	---	1909
1910	---	---	---	0.305	0.249	0.138	0.089	0.137	0.177	0.213	---	---	0.188	1910
1911	---	---	---	---	0.374	0.198	0.225	0.194	0.305	0.372	---	---	---	1911
1912	---	---	---	---	0.289	0.215	0.168	0.178	0.210	0.235	---	---	---	1912
1913	---	---	---	2.32	0.309	0.275	0.236	0.163	0.159	0.197	---	---	0.518	1913
1914	---	---	---	1.16	0.280	0.197	0.101	0.124	0.200	0.245	---	---	0.326	1914
1915	---	---	---	---	0.258	0.307	0.245	0.214	0.223	0.277	---	---	---	1915
1916	---	---	---	0.606	0.387	0.247	0.190	0.185	0.209	0.269	---	---	0.298	1916
1917	---	---	---	---	1.13	0.192	0.117	0.135	0.185	0.286	---	---	---	1917
1918	---	---	---	1.11	0.261	0.198	0.117	0.188	0.171	0.228	---	---	0.322	1918
1919	---	---	---	0.773	0.281	0.105	0.096	0.155	0.208	0.223	---	---	0.262	1919
MEAN	---	---	---	1.05	0.414	0.238	0.185	0.188	0.204	0.257	---	---	0.319	MEAN

LOCATION - LAT 49 33 40 N
LONG 108 55 30 W

DRAINAGE AREA, 133 km^2
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1918

CONGLOMERATE CREEK AT CROSS RANCH - STATION NO 11AC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	0.340 ON APR 1	0.042 ON JUL 18 *	3 480	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	6.71 ON APR 6 *	0.082 ON JUN 17	9 570	1913
1914	---	2.89 B ON APR 7	0.074 ON JUL 23	6 040	1914
1915	---	---	---	---	1915
1916	---	1.05 ON APR 7	0.136 ON JUL 2	5 520	1916
1917	---	---	---	---	1917
1918	---	3.46 ON APR 10	0.051 ON JUN 30	5 940	1918
1919	---	2.83 B ON APR 3	0.059 ON JUL 17	4 830	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 900	MEAN

CONJURING CREEK NEAR PREECEVILLE - STATION NO 05MC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.03	0.146	---	---	---	---	---	---	---	---	1965
1966	---	---	---	1.84	0.791	0.080	---	---	---	---	---	---	---	1966
1967	---	---	---	0.544	1.80	---	---	---	---	---	---	---	---	1967
1969	---	---	---	0.448	0	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.49	1.75	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.62	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	1.27	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.925	0.516	---	---	---	---	---	---	---	---	1973
1974	---	---	---	2.80	3.38	0.933	---	---	---	---	---	---	---	1974
1975	---	---	0	3.89	2.22	0.154	0.018	0.008	0.008	0.008	---	---	0.755	1975
1976	---	---	0.007	3.85	0.087	0.377	0.165	0.005	0.004	0.007	---	---	0.529	1976
1977	---	---	0.008	0.626	0.034	0.011	0.005	0.007	0.005	0.006	---	---	0.085	1977
1978	---	---	0.005	0.720	0.053	0.008	0.006	0.003	0.003	0.002	---	---	0.098	1978
1979	---	---	0.007	2.91	4.16	0.093	0.007	0.005	0.004	0.012	---	---	0.889	1979
1980	---	---	0.008	0.834	0.009	0.005	0.003	0.008	0.004	0.008	---	---	0.108	1980
1981	---	---	0.208	0.249	0.013	0.019	0.008	0.007	0.007	0.029	---	---	0.067	1981
1982	---	---	0.006	0.779	0.024	0.006	0.005	0.009	0.010	0.011	---	---	0.104	1982
1983	---	---	0.004	1.40	0.398	0.168	0.250	0.040	0.006	0.009	---	---	0.282	1983
1984	---	---	0.198	0.823	0.195	0.202	0.034	0.079	0.008	0.007	---	---	0.191	1984
1985	---	---	0.006	3.83	0.268	0.014	0.011	0.008	0.005	0.006	---	---	0.509	1985
1986	---	---	0.120	1.91	0.081	0.012	0.005	0.005	0.005	0.007	---	---	0.264	1986
MEAN	---	---	0.048	1.85	0.860	0.149	0.043	0.015	0.006	0.009	---	---	0.324	MEAN

LOCATION - LAT 51 56 30 N DRAINAGE AREA 255 km^2
LONG 102 43 00 W NATURAL FLOW

CONJURING CREEK NEAR PREECEVILLE - STATION NO 05MC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	19.6 AT 11 03 CST ON APR 29 *	18.6 ON APR 29 *	0 B ON MAR 1 *	16 000	1975
1976	14.6 AT 05 44 CST ON APR 13	13.9 ON APR 13	0.003 ON JUL 29	11 200	1976
1977	5.32 AT 20 50 CST ON APR 11	3.91 ON APR 11	0.005E ON JUL 11	1 820	1977
1978	---	3.65 ON APR 19	0.001E ON AUG 20	2 080	1978
1979	19.6 AT 08 51 CST ON APR 28	18.2 ON APR 28	0.002 ON SEP 11	19 000	1979
1980	5.00 AT 18 39 CST ON APR 15	4.30 ON APR 15	0.001E ON JUN 3	2 280	1980
1981	---	1.008 ON APR 4	0.002 ON JUL 26	1 420	1981
1982	6.91B AT 11 25 CST ON APR 15	4.75B ON APR 15	0.001 ON JUL 5	2 210	1982
1983	14.3 B AT 07 23 CST ON APR 24	11.2 B ON APR 24	0.001B ON APR 10	5 970	1983
1984	2.72B AT 14 33 CST ON APR 2	2.28B ON APR 2	0.001 ON OCT 19	4 040	1984
1985	17.3 B AT 21 52 CST ON APR 14	12.9 B ON APR 15	0.001 ON AUG 22	10 800	1985
1986	8.43B AT 18 23 CST ON APR 2	6.93 ON APR 7	0.003B ON MAR 3	5 580	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 870	MEAN

CONNELL CREEK NEAR CONNELL CREEK - STATION NO. 05KC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	1.26	---	---	---	---	---	---	---	---	---	1967
1971	---	---	---	3.43	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1975	---	---	0	2.24	2.34	2.57	0.802	0.224	0.316	0.818	---	---	1.13	1975
1976	---	---	0.127	2.55	0.805	0.705	0.487	0.105	0.107	0.201	---	---	0.804	1976
1977	---	---	0.053	0.749	0.640	0.400	0.097	0.250	0.427	0.307	---	---	0.363	1977
1978	---	---	0.185	3.86	3.31	0.332	0.159	0.262	0.411	1.12	0.480	0.358	1.16	1978
1979	0.153	0.139	0.121	4.30	5.61	2.94	0.452	0.160	0.135	0.307	---	---	1.87	1979
1980	---	---	0.162	1.15	0.244	0.173	0.175	0.259	0.400	0.867	---	---	0.407	1980
1981	---	---	0.261	0.919	0.674	0.183	0.150	0.134	0.184	0.477	---	---	0.372	1981
1982	---	---	0.075	2.26	1.70	1.47	0.387	0.235	0.180	0.371	---	---	0.829	1982
1983	---	---	0.163	0.990	1.14	1.51	2.52	0.388	0.845	0.467	---	---	1.00	1983
1984	---	---	0.278	3.71	4.41	4.12	0.429	0.187	0.237	0.482	---	---	1.72	1984
1985	---	---	0.202	4.37	1.97	1.54	0.829	0.548	0.449	0.513	---	---	1.29	1985
MEAN	0.153	0.139	0.148	2.43	2.15	1.45	0.572	0.250	0.336	0.521	0.480	0.358	0.979	MEAN

LOCATION - LAT 53 13 13 N DRAINAGE AREA, 354 km²
LONG 103 25 30 W NATURAL FLOW

CONNELL CREEK NEAR CONNELL CREEK - STATION NO. 05KC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1971	---	---	---	---	1971
1972	31.1 AT 07:00 CST ON APR 21	---	---	---	1972
1975	---	17.6 ON JUN 26	0 B ON MAR 1 *	24 000	1975
1976	---	4.67 ON APR 17	0.088 ON AUG 26	12 800	1976
1977	---	2.28 ON APR 14	0.051B ON MAR 1	7 650	1977
1978	16.3 AT 02:36 CST ON APR 19	15.7 ON MAY 6	0.091E ON AUG 15	24 900	1978
1979	38.8 AT 00:03 CST ON APR 20 *	26.2 B ON APR 19 *	0.070B ON MAR 5	39 600	1979
1980	2.90 AT 03:44 CST ON APR 18	2.45 ON APR 18	0.047 ON AUG 26	8 620	1980
1981	---	1.38 ON MAY 7	0.038 ON SEP 2	7 880	1981
1982	12.7 AT 11:46 CST ON MAY 31	11.6 ON MAY 31	0.034B ON MAR 1	17 600	1982
1983	8.99 AT 15:01 CST ON JUL 5	6.75 ON JUL 5	0.110B ON MAR 13	21 200	1983
1984	26.2 AT 00:30 CST ON MAY 20	21.4 ON MAY 20	0.095 ON JUL 31	36 400	1984
1985	11.1 AT 17:28 CST ON APR 21	10.6 ON APR 22	0.136B ON MAR 7	27 300	1985
				20 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO. 05JF011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	0	0	0	0	---	---	---	1973
1974	---	---	0	10.8	2.70	0.238	0.003	0.002	0.002	0.002	---	---	1.70	1974
1975	---	---	0	3.39	0.760	1.46	0.985	0.006	0	0	---	---	0.815	1975
1976	---	---	0.098	10.2	0.118	0.935	0.059	0	0	0	---	---	1.40	1976
1977	---	---	0	0	0.020	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.141	0.220	0.008	0	0	0	0	0	---	---	0.046	1978
1979	---	---	0	1.78	0.403	0.037	0	0	0	0	---	---	0.274	1979
1980	---	---	0.146	0.446	0	0	0	0	0	0	---	---	0.073	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	9.07	0.476	0.024	0.001	0	0	0	---	---	1.17	1982
1983	---	---	0	0.585	0.003	0.001	0.190	0.011	0	0	---	---	0.098	1983
1984	---	0.003	0.418	0.091	0	0	0	0	0	0	---	---	0.064	1984
1985	---	---	0.699	0.474	0.002	0	0	0	0	0	---	---	0.147	1985
1986	---	0.001	0.393	0.011	0.281	0	0	0	0	0	---	---	0.087	1986
MEAN	---	0.001	0.146	2.85	0.367	0.207	0.088	0.001	0	0	---	---	0.452	MEAN

LOCATION - LAT 50 35 25 N DRAINAGE AREA, 615 km²
LONG 104 54 31 W NATURAL FLOW

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO 05JF011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	0 ON JUN 5 *	---	1973
1974	84 0 AT 01 04 CST ON APR 21 *	56 6 ON APR 21 *	0B ON MAR 1	35 000	1974
1975	13 9 AT 11 40 CST ON JUN 27	11 9 B ON APR 18	0B ON MAR 1	17 300	1975
1976	60 3 AT 03 43 CST ON APR 5	48 4 ON APR 5	0B ON MAR 1	29 700	1976
1977	3 37A AT 21 14 CST ON MAY 24	0 345A ON MAY 24	0B ON MAR 1	54 2	1977
1978	3 48 AT 13 45 CST ON MAR 31	2 10 ON MAR 31	0B ON MAR 1	970	1978
1979	13 2 AT 00 06 CST ON APR 22	10 6 ON APR 21	0B ON MAR 1	5 800	1979
1980	3 548 AT 14 45 CST ON MAR 31	2 23 B ON MAR 31	0B ON MAR 1	1 550	1980
1981	0 B AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1981
1982	49 7 AT 07 02 CST ON APR 17	47 2 ON APR 17	0B ON MAR 1	26 800	1982
1983	7 38 AT 18 29 CST ON JUL 29	2 39 B ON APR 7	0B ON MAR 1	2 070	1983
1984	3 898 AT 18 49 CST ON MAR 26	3 06 B ON MAR 26	0B ON MAR 1	1 360	1984
1985	5 53 AT 01 22 CST ON APR 1	4 30 ON APR 1	0B ON MAR 1	3 110	1985
1986	3 58 AT 04 36 CST ON MAY 11	2 82 ON MAY 11	0 ON APR 12	1 430	1986
				9 580	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COULEE, WEST OF BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO 05NB019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0 014	0 170	0 018	0 020	0 003	0	0	0	---	---	0 028	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0	0	0	0	0	0	0	---	---	0	1962
1965	---	---	0	0 001	0 003	0 001	0	0	0	0	---	---	0 001	1965
1966	---	---	0 033	0 011	0	0	0	0	0	0	---	---	0 005	1966
1967	---	---	0	0 001	0	0	0	0	0	0	---	---	0	1967
1968	---	---	0 002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0 018	0	0	0	0	0	0	---	---	0 002	1969
MEAN	---	---	0 006	0 025	0 003	0 003	0	0	0	0	---	---	0 005	MEAN

LOCATION - LAT 49 05 08 N, LONG 103 04 23 W DRAINAGE AREA 137 km^2, NATURAL FLOW

COULEE, WEST OF BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO 05NB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	0 646 ON APR 3 *	0B ON MAR 1 *	587	1960
1961	---	0 006 ON MAR 18	0 ON MAR 1	1 04	1961
1962	---	0 006 ON MAR 27	0 ON MAR 1	1 04	1962
1965	---	0 017 ON MAY 26	0B ON MAR 1	12 3	1965
1966	---	0 377 ON MAR 16	0 ON MAR 1	116	1966
1967	---	0 003 ON MAR 30	0 ON MAR 1	2 33	1967
1968	---	0 028 ON MAR 7	0 ON MAR 1	5 18	1968
1969	---	0 218 ON APR 8	0B ON MAR 1	47 7	1969
				96 6	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COW CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AE012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0 001	0	0	0	0	---	---	---	1975
MEAN	---	---	---	---	---	0 001	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 01 42 N, LONG 105 18 08 W DRAINAGE AREA 135 km^2, NATURAL FLOW

COW CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AE012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON JUN 1 *	---	1975
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	111	102	111	87.0	94.0	---	1972
1973	71.2	89.5	95.7	119	139	111	146	132	114	105	79.0	76.6	104	1973
1974	68.5	---	---	---	---	---	147	141	137	135	99.2	92.9	---	1974
1975	80.2	77.7	76.2	104	165	152	157	139	133	127	101	83.6	119	1975
1976	76.3	75.1	76.2	143	160	135	136	156	170	171	144	106	129	1976
1977	107	116	124	157	182	197	196	181	160	166	127	105	154	1977
1978	84.6	85.7	94.2	126	166	165	142	144	191	155	111	97.1	130	1978
1979	89.4	89.3	99.0	135	181	171	146	132	135	148	128	112	131	1979
1980	104	93.6	93.8	144	137	116	117	123	116	117	91.0	87.6	110	1980
1981	76.7	79.2	93.3	106	176	135	131	109	94.7	86.8	82.6	78.4	104	1981
1982	80.2	86.6	95.3	61.0	160	136	120	138	138	121	92.4	94.1	102	1982
1983	91.1	86.0	103	121	146	153	132	137	130	126	106	88.7	116	1983
1984	82.1	81.9	85.3	136	146	146	131	121	121	116	97.8	94.1	113	1984
1985	77.8	80.2	86.1	117	223	150	145	131	143	132	109	97.0	125	1985
1986	91.1	94.2	101	127	169	165	163	163	148	135	107	112	132	1986
MEAN	84.4	83.3	85.2	122	171	149	142	137	134	129	104	92.0	121	MEAN

LOCATION - LAT 58 51 30 N DRAINAGE AREA 20 700 km²
LONG 105 45 10 W NATURAL FLOW

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	174 AT 18 41 CST ON JUL 18	174 ON JUL 19	84.2 ON FEB 25	3 270 000	1973
1974	---	---	---	---	1974
1975	212 AT 23 01 CST ON MAY 6	212 ON MAY 6	71.6 ON MAR 20	3 760 000	1975
1976	213 AT 01 46 CST ON APR 27	211 ON APR 27	72.6 ON JAN 25	4 050 000	1976
1977	232 AT 15 00 CST ON APR 27	220 ON APR 26	100 ON NOV 25	4 850 000	1977
1978	215 AT 21 47 CST ON MAY 5	211 ON MAY 7	82.1 ON NOV 22	4 110 000	1978
1979	224 AT 15 17 CST ON MAY 10 e	224 ON MAY 10	84.6 ON JAN 25	4 120 000	1979
1980	195 AT 10 03 CST ON APR 25	195 ON APR 25	81.6 ON DEC 31	3 480 000	1980
1981	202 AT 22 02 CST ON MAY 8	201 ON MAY 8	74.1 ON JAN 8	3 260 000	1981
1982	185 AT 17 15 CST ON MAY 8	185 ON MAY 7	67.1 ON FEB 2 e	3 220 000	1982
1983	187 AT 11 45 CST ON JUN 10	155 ON JUN 10	83.6 ON DEC 31	3 720 000	1983
1984	---	170E ON APR 21	79.2 ON FEB 1	3 570 000	1984
1985	---	245E ON MAY 9 e	75.0 ON JAN 10	3 950 000	1985
1986	215 AT 12 10 CST ON MAY 12	209 ON MAY 9	85.9 ON JAN 11	4 170 000	1986
		e - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 810 000	MEAN

E - ESTIMATED

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 05HF014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.006	0.002	0.002	0.001	0	0	0.001	0.001	---	---	0.002	1968
1969	---	---	0.001	0.180	0.001	0	0.004	0	0.007	0.005	---	---	0.024	1969
1970	---	---	0	0.313	0.002	0.004	0.004	0	0	0.001	---	---	0.040	1970
1971	---	---	0	0.157	0.001	0	0.001	0	0	0.001	---	---	0.026	1971
1972	---	---	0.007	0.011	0.001	0.001	0	0	0.001	0	---	---	0.003	1972
1973	---	---	0.034	0.005	0	0	0.001	0	0	0	---	---	0.005	1973
1974	---	---	0	0.199	0.017	0.021	0.006	0.002	0.001	0.001	---	---	0.031	1974
1975	---	---	0	0.198	0.005	0.002	0	0	0	0.001	---	---	0.025	1975
1976	---	---	0.026	0.047	0.001	0	0.003	0	0	0	---	---	0.010	1976
1977	---	---	0.002	0.006	0.018	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.022	0.017	0.006	0	0	0	0	0	---	---	0.006	1978
1979	---	---	0.008	0.032	0.001	0	0	0	0	0	---	---	0.004	1979
1980	---	---	0.005	0.004	0.001	0.001	0	0.012	0.001	0.001	---	---	0.004	1980
1981	---	0.003	0.010	0.002	0.001	0.001	0.007	0	0	0	---	---	0.003	1981
1982	---	---	0	0.130	0.005	0.001	0.073	0	0	0.001	---	---	0.026	1982
1983	---	0	0.000	0.006	0.003	0	0.003	0	0	0.001	---	---	0.003	1983
1984	---	---	0.004	0.003	0.001	0.024	0	0	0.001	0.002	---	---	0.004	1984
1985	---	---	0.110	0.138	0.002	0	0	0	0	0	---	---	0.032	1985
1986	---	0	0.010	0.001	0.011	0	0	0	0.001	0.001	---	---	0.003	1986
MEAN	---	0.001	0.014	0.076	0.004	0.003	0.005	0.001	0.001	0.001	---	---	0.013	MEAN

LOCATION - LAT 51 20 05 N DRAINAGE AREA 13.2 km²
LONG 108 27 53 W NATURAL FLOW

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 05MF016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	...	0.034 ON MAR 5	0 ON JUN 19 *	34.2	1968
1969	4.86 AT 17:00 CST ON APR 11	1.73 B ON APR 11	0 ON JUN 5	517	1969
1970	...	2.42 B ON APR 10 *	0B ON MAR 1	836	1970
1971	2.67 AT 17:42 CST ON APR 8	1.02 ON APR 9	0B ON MAR 1	615	1971
1972	0.340 AT 09:04 CST ON APR 6	0.0998 ON APR 1	0B ON MAR 1	55.5	1972
1973	0.2680 AT 10:11 CST ON MAR 17	0.1250 ON MAR 17	0B ON MAR 1	107	1973
1974	3.06 AT 13:27 CST ON JUN 26	1.22 ON APR 19	0B ON MAR 1	655	1974
1975	2.34 AT 18:40 CST ON APR 19	1.01 ON APR 19	0B ON MAR 1	534	1975
1976	1.15 AT 16:48 CST ON MAR 31	0.487 ON MAR 31	0B ON MAR 1	210	1976
1977	1.06 AT 16:56 CST ON MAY 19	0.258 ON MAY 19	0 ON MAR 1	63.6	1977
1978	0.887 AT 21:53 CST ON MAY 24	0.183 ON MAR 30	0B ON MAR 1	118	1978
1979	1.18 A AT 22:46 CST ON APR 18	0.224 ON APR 19	0B ON MAR 1	64.1	1979
1980	3.78 AT 20:36 CST ON AUG 15	0.184 ON AUG 15	0B ON MAR 1	70.3	1980
1981	0.862 AT 01:37 CST ON JUL 22	0.181 ON JUL 22	0 ON APR 28	70.9	1981
1982	25.0 AT 18:35 CST ON JUL 2 *	1.87 ON JUL 2	0B ON MAR 1	665	1982
1983	0.2030 AT 16:02 CST ON MAR 28	0.1290 ON MAR 28	0B ON MAR 1	82.1	1983
1984	4.17 AT 22:47 CST ON JUN 15	0.325 ON JUN 22	0B ON MAR 1	64.0	1984
1985	4.52 B AT 19:23 CST ON MAR 31	1.72 B ON APR 1	0B ON MAR 1	684	1985
1986	0.606 AT 07:44 CST ON MAY 22	0.322 ON MAY 22	0 ON MAY 31	65.5	1986
				276	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05MH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	...	...	0	0.028	...	...	...	...	...	...	...	...	...	1963
1964	...	...	...	0.107	...	...	...	...	...	...	...	...	...	1964
1965	...	...	0	0.480	...	...	...	...	...	...	...	...	...	1965
1966	...	...	0	0.584	...	...	...	...	...	...	...	...	...	1966
1967	...	...	...	...	0.036	...	...	...	...	...	...	...	...	1967
1970	...	...	...	1.13	...	...	...	...	...	...	...	...	...	1970
1971	...	...	...	0.318	...	...	...	...	...	...	...	...	...	1971
1972	...	...	0	0.617	...	...	...	...	...	...	...	...	...	1972
1974	...	...	0	0.794	...	...	...	...	...	...	...	...	...	1974
1975	...	...	0	1.61	0.146	0.009	0	0	0	0	...	...	0.163	1975
1976	...	...	0	0.361	0	0.020	0	0	0	0	...	...	0.067	1976
1977	...	...	0	0.015	0.016	0	0	0	0	0	...	...	0.006	1977
1978	...	...	0.001	1.19	0.008	0	0	0	0	0	...	...	0.167	1978
1979	...	...	0	1.10	0.220	0.026	0	0	0	0	...	...	0.177	1979
1980	...	...	0	0.662	0	0	0	0	0	0	...	...	0.079	1980
1981	...	...	0.022	0.004	0.002	0.001	0.012	0	0	0	...	...	0.005	1981
1982	...	...	0	0.388	0	0	0	0	0	0	...	...	0.048	1982
1983	...	...	0	0.224	0.017	0	0.024	0	0	0	...	...	0.033	1983
1984	...	...	0.122	0.158	0.018	0.060	0	0	0	0	...	...	0.046	1984
1985	...	...	0	2.67	0.052	0	0	0	0	0	...	...	0.337	1985
1986	...	...	0.251	0.067	0.001	0	0	0	0	0	...	...	0.038	1986
MEAN	...	...	0.023	0.598	0.038	0.011	0.003	0	0	0	...	...	0.086	MEAN

LOCATION - LAT 52 57 32 N   DRAINAGE AREA 71.7 km²
LONG 105 28 16 W   NATURAL FLOW

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05MH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1963	...	0.510 ON APR 7	0E ON MAR 1 *	...	1963
1964	...	...	...	...	1964
1965	...	6.71 ON APR 11	0E ON MAR 1	...	1965
1966	...	3.06 ON APR 3	0B ON MAR 1	...	1966
1967	...	...	...	...	1967
1970	...	...	...	...	1970
1971	...	...	...	...	1971
1972	...	3.03 B ON APR 10	0B ON MAR 1	...	1972
1974	...	...	...	...	1974
1975	...	6.07 ON APR 18	0B ON MAR 1	2 030	1975
1976	...	2.38 ON APR 6	0B ON MAR 1	960	1976
1977	0.380 AT 10:44 CST ON MAY 20	0.147 ON MAY 20	0B ON MAR 1	76.3	1977
1978	7.84 AT 22:00 CST ON APR 5	5.48 ON APR 10	0B ON MAR 1	2 110	1978
1979	...	7.00 ON APR 24	0B ON MAR 1	2 790	1979
1980	8.16 B AT 00:00 CST ON APR 14	5.34 B ON APR 18	0B ON MAR 1	1 860	1980
1981	...	0.1500 ON MAR 31	0B ON MAR 1	108	1981
1982	5.83 AT 22:35 CST ON APR 14	3.82 ON APR 18	0B ON MAR 1	1 010	1982
1983	...	1.67 ON APR 19	0B ON MAR 1	582	1983
1984	1.31 AT 17:38 CST ON JUN 8	0.905 ON JUN 8	0B ON MAR 1	877	1984
1985	33.0 AT 22:44 CST ON APR 13 *	16.4 ON APR 20 *	0B ON MAR 1	7 550	1985
1986	6.67 B AT 04:37 CST ON MAR 28	3.04 B ON MAR 28	0B ON MAR 1	801	1986
				1 880	MEAN

B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MB006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	...	...	...	1.91	5.84	0.083	...	...	...	...	...	...	...	1956
1957	...	...	...	1.56	0.520	...	...	...	...	...	...	...	...	1957
1958	...	...	0.003	0.131	...	...	...	...	...	...	...	...	...	1958
1959	...	...	0.000	0.055	...	...	...	...	...	...	...	...	...	1959
1960	...	...	...	2.10	0.070	...	...	...	...	...	...	...	...	1960
1962	...	...	...	0.304	0.035	...	...	...	...	...	...	...	...	1962
1963	...	...	0.044	0.133	...	...	...	...	...	...	...	...	...	1963
1964	...	...	0	0	0	0	0	0	0	0	...	...	0	1964
1965	...	...	0	0.900	0.044	0.025	0	0	0	0	...	...	0.078	1965
1966	...	...	0	2.59	0.512	0.123	0.020	0.004	0	0	...	...	0.414	1966
1967	...	...	0	0.380	1.90	0.037	0	0	0	0	...	...	0.239	1967
1968	...	...	0.006	0.304	0	0	0	0	0	0	...	...	0.044	1968
1969	...	...	0	1.44	0.026	0	0	0	0	0	...	...	0.183	1969
1970	...	...	0	0.784	0.032	0.034	0.031	0	0	0	...	...	0.188	1970
1971	...	...	0	4.17	0.527	0	0	0	0.003	0.101	...	...	0.682	1971
1972	...	...	0	5.84	1.65	0.016	0	0	0	0	...	...	0.803	1972
1973	...	...	0.018	0.048	0.033	0.006	0.011	0	0	0	...	...	0.018	1973
1974	...	...	0	4.68	3.63	0.680	0	0	0	0	...	...	1.14	1974
1975	...	...	0	4.31	2.89	0.035	0.032	0	0	0	...	...	0.903	1975
1976	...	...	0	9.61	0.746	0.419	0.063	0.004	0	0	...	...	1.35	1976
1977	...	...	0	1.12	0.035	0	0	0	0	0	...	...	0.146	1977
1978	...	...	0.001	0.806	0.040	0	0	0	0	0	...	...	0.117	1978
1979	...	...	0	4.71	4.20	0.732	0	0	0	0	...	...	1.20	1979
1980	...	...	0	2.60	0.667	0.007	0.008	0	0	0	...	...	0.338	1980
1981	...	...	0.096	0.004	0	0	0	0	0	0	...	...	0.013	1981
1982	...	...	0.000	0.198	0.004	0.001	0.188	0.024	0.001	0.001	...	...	0.065	1982
1983	...	...	0	3.53	2.16	0.066	0.066	0.110	0.003	0	...	...	0.734	1983
1984	...	...	0.416	0.636	0.004	0.005	0.001	0	0	0	...	...	0.175	1984
1985	...	...	0	7.40	0.464	0.024	0.003	0	0	0	...	...	0.977	1985
1986	...	...	0.207	4.78	0.107	0.017	0.080	0.006	0	0	...	...	0.862	1986
MEAN	...	...	0.042	2.23	0.904	0.069	0.020	0.005	0	0.005	...	...	0.469	MEAN

LOCATION - LAT 51 39 46 N   DRAINAGE AREA, 582 km²
LONG 102 25 41 W   REGULATED

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	...	...	...	...	1956
1957	...	5.83 ON APR 24	0B ON APR 1 *	...	1957
1958	...	...	0B ON MAR 1	...	1958
1959	...	...	0B ON MAR 1	...	1959
1960	...	8.35 ON APR 17	0B ON APR 1	...	1960
1962	...	2.38 ON APR 25	0B ON APR 1	...	1962
1963	...	0.210 ON APR 7	0B ON MAR 1	...	1963
1964	...	0 ON MAR 1	0 ON MAR 1	0	1964
1965	...	3.16 B ON APR 17	0B ON MAR 1	1 690	1965
1966	...	16.8 ON APR 14	0B ON MAR 1	6 780	1966
1967	...	9.46 B ON MAY 2	0B ON MAR 1	5 080	1967
1968	...	1.16 ON APR 12	0 ON MAR 1	1 010	1968
1969	...	5.78 ON APR 18	0B ON MAR 1	3 080	1969
1970	...	1.78 ON APR 15	0B ON MAR 1	3 580	1970
1971	...	16.7 B ON APR 20	0B ON MAR 1	12 600	1971
1972	17.4 ON APR 26	17.3 ON APR 24	0B ON MAR 1	18 100	1972
1973	...	0.3018 ON MAR 28	0B ON MAR 1	347	1973
1974	...	16.5 ON APR 24	0B ON MAR 1	24 000	1974
1975	...	16.3 ON APR 28	0B ON MAR 1	15 100	1975
1976	31.1 AT 19:41 CST ON APR 17 *	30.4 ON APR 17 *	0B ON MAR 1	25 600	1976
1977	4.67 AT 11:50 CST ON APR 14	3.35 ON APR 14	0B ON MAR 1	2 560	1977
1978	4.53 AT 20:50 CST ON APR 16	3.63 ON APR 16	0B ON MAR 1	2 480	1978
1979	32.1 AT 16:32 CST ON APR 24	31.7 ON APR 27	0B ON MAR 1	25 300	1979
1980	12.6 AT 08:17 CST ON APR 17	12.6 ON APR 17	0B ON MAR 1	9 168	1980
1981	1.198 AT 13:00 CST ON MAR 31	0.6008 ON MAR 31	0 ON APR 20	375	1981
1982	2.838 AT 08:00 CST ON JUL 17	1.68 E ON JUL 17	0B ON MAR 1	660	1982
1983	20.8 AT 23:50 CST ON APR 24	19.6 ON APR 26	0B ON MAR 1	15 600	1983
1984	4.03 AT 18:50 CST ON MAR 27	3.86 ON MAR 27	0B ON MAR 1	3 700	1984
1985	23.4 AT 13:24 CST ON APR 15	22.6 ON APR 15	0B ON MAR 1	26 700	1985
1986	14.2 AT 07:55 CST ON APR 5	13.7 ON APR 5	0B ON MAR 1	13 000	1986
MEAN				9 480	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CRYSTAL CREEK NEAR IPPLEY - STATION NO 05EG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	E 0.839	0.189	---	---	---	---	---	---	---	---	1960
1961	---	---	E 0.881	0.681	0.188	---	---	---	---	---	---	---	---	1961
1962	---	---	---	E 0.305	0.042	---	---	---	---	---	---	---	---	1962
1963	---	---	---	E 0.321	0.037	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	---	---	---	0.220	0.246	0.216	---	---	---	1964
1965	---	---	---	---	0.172	0.400	0.321	0.089	0.071	0.116	---	---	---	1965
1966	---	---	E 1.89	1.97	0.223	0.348	0.330	0.175	0.185	0.173	---	---	0.390	1966
1967	---	---	E	E 0.331	0.346	0.214	0.234	0.234	0.139	0.067	---	---	0.162	1967
1968	---	---	E 0.809	0.839	0.271	0.174	0.210	0.185	0.194	0.203	---	---	0.314	1968
1969	---	---	E 0.950	0.85	0.325	0.227	0.222	0.128	0.142	0.199	---	---	0.586	1969
1970	---	---	E 1.05	0.97	0.412	0.276	0.440	0.189	0.131	0.229	---	---	0.686	1970
1971	---	---	E 1.10	E 0.842	0.317	0.251	0.287	0.212	0.139	0.153	---	---	0.292	1971
1972	---	---	E 1.27	1.02	0.376	0.194	0.191	0.121	0.160	0.159	---	---	0.287	1972
1973	---	---	E 1.09	1.01	0.456	0.357	0.236	0.218	0.122	0.163	---	---	0.419	1973
1974	---	---	E 1.06	0.62	0.922	0.370	0.214	0.135	0.132	0.227	---	---	0.707	1974
1975	---	---	E 1.27	E 0.570	0.486	0.300	0.135	0.111	0.098	0.115	---	---	0.240	1975
1976	---	---	E 1.20	0.811	0.219	0.185	0.325	0.179	0.132	0.172	---	---	0.216	1976
1977	---	---	E	E 0.372	0.504	0.181	0.111	0.089	0.094	0.162	---	---	0.176	1977
1978	---	---	E 1.05	0.903	0.388	0.301	0.095	0.088	0.092	0.081	---	---	0.267	1978
1979	---	---	E 0.93	0.69	2.02	0.342	0.207	0.187	0.097	0.029	---	---	0.680	1979
1980	---	---	E 1.05	0.788	0.285	0.175	0.077	0.070	0.122	0.190	---	---	0.232	1980
1981	---	---	E 1.03	1.19	0.240	0.048	0.086	0.045	0.032	0.232	---	---	0.255	1981
1982	---	---	E 0.91	0.994	0.339	0.185	0.251	0.085	0.085	0.102	---	---	0.280	1982
1983	---	---	E 1.01	1.10	0.355	0.400	0.391	0.073	0.207	0.134	---	---	0.346	1983
1984	---	---	E 1.30	1.08	0.437	0.457	0.188	0.038	0.027	0.025	---	---	0.309	1984
1985	---	---	E 1.31	1.09	1.82	0.230	0.141	0.106	0.122	0.128	---	---	0.983	1985
1986	---	---	E 1.01	1.10	0.376	0.190	0.236	0.138	0.059	0.083	---	---	0.301	1986
MEAN	---	---	E 1.06	1.01	0.449	0.281	0.222	0.133	0.121	0.146	---	---	0.386	MEAN

LOCATION - LAT 52 00 07 N DRAINAGE AREA 500 km²
LONG 109 09 33 W NATURAL FLOW

RECORDS - RECORDS PRIOR TO 1960 IF ANY OBTAINED IN SW20-46-15-W3

CRYSTAL CREEK NEAR IPPLEY - STATION NO 05EG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1960	---	2.73 ON APR 11	0 E ON APR 1 *	---	1960
1961	---	2.30 ON APR 2	0 E ON MAR 1	---	1961
1962	---	1.57 ON APR 16	0 E ON APR 1	---	1962
1963	---	0.837 ON APR 11	0 E ON APR 1	---	1963
1964	---	---	---	---	1964
1965	---	8.07 E ON APR 15	0 ON MAY 10	---	1965
1966	---	3.40 ON APR 15	0.095 ON AUG 4	5 250	1966
1967	6.67 E 07 00 00 EST ON MAY 1	0.952 ON MAY 1	0 E ON MAR 1	3 840	1967
1968	1.66 E 01 01 00 EST ON MAR 27	1.78 E ON MAR 28	0.0288 ON MAR 1	5 650	1968
1969	21.5 07 30 00 EST ON APR 12	20.2 ON APR 12	0.0578 ON MAR 1	12 400	1969
1970	11.6 01 12 23 EST ON APR 16	10.7 ON APR 16	0.113 ON SEP 14	14 600	1970
1971	2.77 E 01 02 21 EST ON APR 16	2.59 E ON APR 16	0.1108 ON MAR 1	6 180	1971
1972	5.60 01 16 56 EST ON APR 22	3.09 ON APR 22	0.096 ON AUG 26	6 280	1972
1973	6.21 01 16 50 EST ON APR 5	4.90 ON APR 5	0.097 ON SEP 11	8 870	1973
1974	23.3 01 06 45 EST ON APR 21 *	20.9 ON APR 21 *	0.096 ON SEP 5	15 000	1974
1975	3.91 01 23 00 EST ON JUL 13	1.85 ON APR 25	0.018 ON AUG 24	5 080	1975
1976	1.51 01 16 23 EST ON MAY 30	1.65 ON JUL 14	0.054 ON JUL 7	4 570	1976
1977	---	1.77 ON MAY 30	0 E ON MAR 1	3 660	1977
1978	13.5 01 01 52 EST ON APR 29	2.10 E ON APR 14	0.0036 ON JUL 16	5 230	1978
1979	---	13.5 ON APR 29	0.014 ON OCT 17	14 400	1979
1980	3.16 01 10 50 EST ON APR 19	3.00 ON APR 19	0.007 ON AUG 21	6 700	1980
1981	3.03 E 01 20 28 EST ON APR 7	1.93 E ON APR 8	0.001 ON JUN 16	5 400	1981
1982	2.63 01 15 31 EST ON APR 25	2.76 ON APR 25	0.018 ON AUG 13	5 500	1982
1983	3.32 01 13 13 EST ON APR 21	3.20 ON APR 21	0.001 ON AUG 23	7 320	1983
1984	2.66 01 23 22 EST ON APR 8	2.34 ON APR 9	0.014 ON AUG 29	6 530	1984
1985	15.3 01 23 50 EST ON APR 20	14.2 ON APR 21	0.005 ON AUG 8	20 800	1985
1986	3.31 E 01 22 58 EST ON APR 8	3.24 E ON APR 8	0.001 ON SEP 3	6 270	1986
				8 170	MEAN

E - 100 CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CUMBERLAND DITCH NEAR PIAPOT - STATION NO 05HA034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.053	0.036	0	0	0	0	---	---	0.011	1915
MEAN	---	---	E	0	0.053	0.036	0	0	0	0	---	---	0.011	MEAN

LOCATION - LAT 50 58 25 N
LONG 109 19 55 W REGULATED

CUMBERLAND DITCH NEAR PIAPOT - STATION NO 05MA034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.285 ON JUN 1 *	0 ON MAR 1 *	235	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		235	MEAN

CUTARM CREEK NEAR SPY HILL - STATION NO 05JM015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	---	---	---	3.66	0.386	0.272	0.128	0.476	0.193	0.165	---	---	---	1942
1943	---	---	---	3.10	0.376	0.951	0.095	0.135	0.129	0.127	---	---	---	1943
1944	---	---	---	0.958	0.367	0.636	0.172	0.133	0.185	0.115	---	---	---	1944
1945	---	---	---	0.840	0.455	0.389	0.290	0.060	0.157	0.148	---	---	---	1945
1946	---	---	---	0.953	0.262	0.113	0.430	0.089	0.130	0.263	---	---	---	1946
1947	---	---	---	---	0.835	1.62	0.320	0.087	0.111	0.123	---	---	---	1947
1948	---	---	---	---	1.35	0.140	0.161	0.060	0.027	0.101	---	---	---	1948
1949	---	---	---	1.21	0.262	0.864	0.170	0.130	0.088	0.119	0.115	---	---	1949
1950	---	---	---	1.55	0.576	0.401	0.342	0.068	0.069	0.223	---	---	---	1950
1951	---	---	---	2.07	0.884	0.382	0.099	0.064	0.202	0.245	---	---	---	1951
1952	---	---	---	2.31	0.283	0.272	0.136	0.085	0.263	0.103	---	---	---	1952
1953	---	---	---	3.26	0.636	1.63	0.763	1.47	0.956	0.827	---	---	---	1953
1954	---	---	---	4.05	1.86	5.03	3.53	0.438	0.821	0.938	0.576	---	---	1954
1955	---	---	---	6.83	5.18	1.19	0.512	0.160	0.307	0.600	---	---	---	1955
1956	---	---	---	7.47	4.73	0.850	0.386	0.799	0.884	0.469	---	---	---	1956
1957	---	---	0.570	2.87	0.738	0.287	0.135	0.151	0.143	0.284	---	---	0.648	1957
1958	---	---	0.467	0.948	0.335	0.237	0.150	0.061	0.093	0.017	---	---	0.288	1958
1959	---	---	0.533	0.983	0.431	0.318	0.110	0.030	0.051	0.300	---	---	0.353	1959
1960	---	---	0.084	2.06	0.596	0.207	0.018	0	0	0.121	---	---	0.360	1960
1961	---	---	0.372	0.562	0.383	0.055	0	0	0	0.087	---	---	0.182	1961
1962	---	---	0.101	1.40	0.401	0.228	0.062	0.083	0.085	0.130	---	---	0.296	1962
1963	---	---	0.833	0.853	0.275	0.440	0.323	0.320	0.280	0.473	---	---	0.411	1963
1964	---	---	0.005	1.87	1.00	0.317	0.060	0.183	0.069	0.197	---	---	0.455	1964
1965	---	---	0.074	2.13	0.578	0.283	0.087	0	0.536	0.303	---	---	0.492	1965
1966	---	---	0.276	0.605	0.907	0.070	0.063	0.074	0.010	0.015	---	---	0.227	1966
1967	---	---	0	1.72	0.390	0.003	0	0	0	0	---	---	0.261	1967
1968	---	---	0.524	0.539	0.186	0.070	0.027	0.068	0.005	0.021	---	---	0.180	1968
1969	---	---	0.011	2.87	0.323	0.058	0.342	0.074	0.088	0.018	---	---	0.442	1969
1970	---	---	0	1.88	0.847	0.197	0.238	0.159	0.191	0.186	---	---	0.431	1970
1971	---	---	0	1.17	0.208	0.334	0.268	0.182	0.171	0.242	---	---	0.304	1971
1972	---	---	0.086	1.57	0.487	0.171	0.127	0.158	0.111	0.094	---	---	0.345	1972
1973	---	---	0.134	0.034	0.117	0.334	0.171	0.048	0.054	0.139	---	---	0.126	1973
1974	---	---	0.089	3.77	1.10	0.214	0.028	0.065	0.087	0.030	---	---	0.681	1974
1975	---	---	0.040	2.88	1.00	0.312	0.052	0.184	0.281	0.193	---	---	0.611	1975
1976	---	---	0.233	7.28	0.324	0.899	0.025	0.020	0.084	0.008	---	---	1.06	1976
1977	---	---	0.055	0.172	0.572	0.058	0.022	0.035	0.048	0.093	---	---	0.133	1977
1978	---	---	0.135	0.018	0.216	0.055	0.044	0.049	0.058	0.015	---	---	0.180	1978
1979	---	---	0.005	3.62	1.01	0.049	0.019	0.028	0.048	0.033	---	---	0.884	1979
1980	---	---	0.072	0.885	0.030	0.001	0.001	0.001	0.001	0.001	---	---	0.123	1980
1981	---	---	0.171	0.145	0.118	0.223	0.014	0.001	0	0.007	---	---	0.084	1981
1982	---	---	0.048	0.801	0.161	0.021	0.019	0.012	0.001	0.018	---	---	0.145	1982
1983	---	---	0.012	1.87	0.904	0.045	0.147	0.031	0.103	0.094	---	---	0.347	1983
1984	---	---	0.135	0.403	0.194	0.032	0	0	0.016	0.029	---	---	0.098	1984
1985	---	---	0.260	3.08	0.119	0.123	0.093	0.130	0.093	0.081	---	---	0.591	1985
1986	---	---	1.38	1.01	0.806	0.077	0.139	0.042	0.044	0.027	---	---	0.403	1986
MEAN	---	---	0.319	2.08	0.706	0.435	0.227	0.140	0.147	0.169	0.347	---	0.382	MEAN

LOCATION - LAT 50 38 27 N DRAINAGE AREA 766 km^2
LONG 101 44 34 W REGULATED SINCE 1967

CUTARM CREEK NEAR SPRING HILL - STATION NO. 06JM015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	...	...	...	...	1942
1943	...	...	...	...	1943
1944	...	...	...	...	1944
1945	...	...	...	...	1945
1946	...	...	...	...	1946
1947	...	...	...	...	1947
1948	...	10.9 0& APR 24	...	...	1948
1949	...	...	...	...	1949
1950	...	...	...	...	1950
1951	...	...	...	...	1951
1952	...	...	...	...	1952
1953	...	...	...	...	1953
1954	...	...	...	...	1954
1955	...	...	...	...	1955
1956	...	25.5 0& APR 23 *	...	...	1956
1957	...	6.40 0& APR 11	0.0289 0& MAR 1	93 700	1957
1958	...	7.57 0& APR 2	0 0& AUG 19 *	6 110	1958
1959	...	8.93 0& MAR 30	0 0& AUG 23	7 680	1959
1960	...	8.42 0& APR 15	0 0& JUL 17	6 040	1960
1961	...	7.03 0& MAR 25	0 0& JUN 27	5 880	1961
1962	...	5.20 0& APR 21	0 0& MAY 26	6 310	1962
1963	...	7.55 0& MAR 26	0 0& MAR 1	8 710	1963
1964	...	9.86 0& APR 13	0 0& MAR 1	9 830	1964
1965	...	11.6 0& APR 18	0 0& JUL 18	10 400	1965
1966	...	5.61 0& MAY 6	0 0& MAR 1	6 850	1966
1967	...	6.49 0& APR 22	0 0& MAR 1	5 520	1967
1968	...	7.80 0& MAR 30	0 0& MAR 1	7 800	1968
1969	...	8.37 0& APR 14	0 0& MAR 1	9 260	1969
1970	...	5.38 0& APR 13	0 0& MAR 1	9 130	1970
1971	...	6.79 0& APR 13	0 0& MAR 1	8 640	1971
1972	...	7.96 0& APR 20	0 0& MAR 1	9 300	1972
1973	1.23 AT 03 29 CST 0& JUN 6	0.932 0& JUN 6	0.002 0& SEP 30	3 700	1973
1974	16.5 AT 15 30 CST 0& APR 21	16.3 0& APR 21	0 0& JUL 31	16 800	1974
1975	8.38 AT 21 08 CST 0& APR 21	6.27 0& APR 22	0.031A 0& SEP 9	12 900	1975
1976	24.9 AT 21 02 CST 0& APR 6 *	24.5 0& APR 11	0.001 0& AUG 19	23 500	1976
1977	1.31 AT 03 41 CST 0& MAY 10	1.29 0& MAY 10	0.001 0& JUN 9	2 810	1977
1978	2.498 AT 06 08 CST 0& APR 2	1.81 0& APR 2	0 0& MAR 1	4 010	1978
1979	17.8 AT 11 16 CST 0& APR 23	15.7 0& APR 24	0 0& AUG 29	12 900	1979
1980	6.838 AT 10 03 CST 0& APR 10	3.12 0& APR 10	0 0& JUN 8	2 510	1980
1981	1.23 AT 17 03 CST 0& JUN 6	0.919 0& JUN 16	0 0& AUG 19	1 780	1981
1982	6.618 AT 18 21 CST 0& APR 16	3.00 0& APR 16	0 0& SEP 2	3 070	1982
1983	8.65 AT 18 35 CST 0& APR 23	6.80 0& APR 23	0 0& MAR 1	7 380	1983
1984	1.438 AT 14 05 CST 0& APR 3	0.9779 0& MAR 23	0 0& JUN 8	2 070	1984
1985	13.1 A AT 10 43 CST 0& APR 6	11.2 A 0& APR 6	0 0& JUN 26	13 900	1985
1986	7.088 AT 22 03 CST 0& MAR 30	5.62 0& MAR 28	0.001 0& SEP 2	8 960	1986
MEAN				7 870	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CUTKNIFE CREEK NEAR CUTKNIFE - STATION NO. 05FF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	...	...	...	...	...	...	...	...	...	...	...	...	...	1968
1969	...	...	0	5.27	...	...	...	...	...	...	...	...	...	1969
1970	...	...	0	5.83	...	...	...	...	...	...	...	...	...	1970
1971	...	...	...	...	...	...	...	...	...	...	...	...	...	1971
1972	...	...	...	...	...	...	...	...	...	...	...	...	...	1972
1973	...	...	0	5.67	...	...	...	...	...	...	...	...	...	1973
1974	...	...	0	1.30	0.209	0.010	0.012	0.005	0.003	0.005	...	...	0.278	1974
1975	...	...	0	5.89	0.032	0.009	0.003	0.003	0.002	0.002	...	...	0.720	1975
1976	...	...	0	0.291	0.004	0.002	0.003	0.003	0.003	0.005	...	...	0.004	1976
1977	...	...	0.003	0.003	0.004	0.002	0.001	0.001	0.002	0.002	...	...	0.044	1977
1978	...	...	0	0.291	0.004	0.005	0.001	0.001	0.002	0.002	...	...	0.044	1978
1979	...	...	0.060	2.06	0.041	0.005	0	0	0	0	...	...	0.267	1979
1980	...	...	0	0.439	0.004	0.001	0.001	0.001	0.001	0.003	...	...	0.055	1980
1981	...	...	0.291	0.513	0.006	0.001	0.001	0.001	0	0.001	...	...	0.101	1981
1982	...	...	0	0.883	0.035	0.018	0.471	0.003	0.001	0.001	...	...	0.075	1982
1983	...	...	0.006	2.00	0.027	0.003	0.255	0.003	0.002	0.002	...	...	0.282	1983
1984	...	...	1.38	0.316	0.006	0.005	0.001	0.003	0.002	0.002	...	...	0.217	1984
1985	...	...	0.006	8.06	0.237	0.011	0.002	0.002	0.001	0.001	...	...	1.13	1985
1986	...	...	1.15	0.446	0.019	0.006	0.004	0.004	0.002	0.002	...	...	0.205	1986
MEAN	...	...	0.193	2.72	0.061	0.006	0.130	0.003	0.002	0.003	...	...	0.282	MEAN

LOCATION - LAT 52 45 10 N
LONG 108 46 52 W

DRAINAGE AREA 403 km^2
NATURAL FLOW

CUTBANK CREEK NEAR CUTBANK - STATION NO 05PF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	0 0 ON MAR 31 *	---	1968
1969	---	75 6 ON APR 12	0 0 ON MAR 1	---	1969
1970	---	66 0 E ON APR 12	0 0 ON MAR 1	---	1970
1971	---	56 9 E ON APR 14	---	---	1971
1972	---	56 1 E ON APR 7	---	---	1972
1974	---	85 0 E ON APR 16 *	0 0 ON MAR 1	---	1974
1975	---	75 8 E ON JUL 6	0 0 ON MAR 1	5 900	1975
1976	---	93 0 ON APR 7	0 0 ON MAR 1	19 400	1976
1977	---	E 000 ON MAY 21	0 0 ON JAN 30	75 6	1977
1978	---	0 6000 ON APR 8	0 0 ON MAR 1	825	1978
1979	20 4 E AT 05 22 CST ON APR 16	17 1 E ON APR 16	0 0 ON MAR 1	5 650	1979
1980	---	1 86 E ON APR 10	0 0 ON MAR 1	170	1980
1981	7 668 AT 16 29 CST ON APR 1	5 21 E ON APR 1	0 0 ON MAR 1	2 140	1981
1982	11 0 AT 02 37 CST ON JUL 3	5 81 ON JUL 3	0 0 ON MAR 1	1 580	1982
1983	14 0 E AT 08 23 CST ON APR 7	13 3 E ON APR 7	0 002 ON JAN 16	5 970	1983
1984	10 2 AT 10 00 CST ON MAR 27	9 00 E ON MAR 27	0 0010 ON MAR 1	6 000	1984
1985	78 1 AT 05 00 CST ON APR 16 *	61 3 ON APR 16	0 001 ON JAN 31	33 900	1985
1986	11 0 E AT 08 10 CST ON MAR 30	9 17 E ON MAR 30	0 001 ON JAN 20	4 330	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 070	MEAN

CYPRESS LAKE EAST INFLOW CANAL NEAR VIDORA - STATION NO 11AC012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	0 540	0 512	0 270	0 601	0 067	0 019	0 003	0 003	---	---	0 280	1939
1940	---	---	0 020	3 21	1 31	0 663	0 078	0 056	0 031	0 036	---	---	0 926	1940
1941	---	---	1 50	0 919	0 202	0 112	0 021	0 003	0 007	0 002	---	---	0 350	1941
1942	---	---	0 086	2 67	0 334	0 762	0 232	0 026	0 026	0 026	---	---	0 473	1942
1943	---	---	1 26	2 39	0 210	0 084	0 010	0 003	0 006	0 030	---	---	0 485	1943
1944	---	---	0 280	2 50	0 152	0 041	0 025	0 017	0 013	0 032	---	---	0 384	1944
1945	---	---	0 705	0 109	0 052	0 031	0 010	0 002	0 030	0 094	---	---	0 130	1945
MEAN	---	---	0 695	1 74	0 339	0 283	0 065	0 018	0 026	0 038	---	---	0 280	MEAN

LOCATION - LAT 49 30 35 N
LONG 109 33 20 W REGULATED

CYPRESS LAKE EAST INFLOW CANAL NEAR VIDORA - STATION NO 11AC012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	2 90 ON MAR 29	0 ON JUL 19 *	5 000	1939
1940	---	23 5 ON APR 21 *	0 ON AUG 31	13 300	1940
1941	---	5 70 ON MAR 28	0 ON JUL 15	7 000	1941
1942	---	10 7 ON APR 13	0 ON AUG 7	10 000	1942
1943	---	10 8 ON APR 9	0 ON AUG 31	10 500	1943
1944	---	11 7 ON APR 3	0 003 ON JUL 17	6 330	1944
1945	---	9 13 ON MAR 23	0 ON JUL 23	2 020	1945
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 280	MEAN

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO 11AC080

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1940	---	---	0	0	0	0	0 039	0 035	0 003	0	---	---	0 008	1940
1941	---	---	0	0	0	0	0	0	0	0	---	---	0	1941
1942	---	---	0	0	0	0	0	0	0	0	---	---	0	1942
1943	---	---	0	0	0	0 036	0 285	0 732	0 935	0 143	---	---	0 263	1943
1944	---	---	0	0	0 034	0 102	0 182	0 069	0	0	---	---	0 049	1944
1945	---	---	0	0	0 023	0 119	0 335	0 777	0 095	0	---	---	0 170	1945
1946	---	---	0	0 003	0 006	0 112	0 499	0	0	0 005	---	---	0 079	1946
1947	---	---	0	0	0 140	0 118	0 072	0 155	0 003	0 004	---	---	0 062	1947
1948	---	---	0	0	0 042	0 089	0 136	0	0 004	0 010	---	---	0 035	1948
1949	---	---	0	0 014	0 706	1 35	0 818	0 103	0 084	0 078	---	---	0 393	1949
1950	---	---	0	0	0 204	0 058	0 010	0 001	0 001	0 001	---	---	0 034	1950
1951	---	---	0	0 090	0 058	0 037	0 046	0 024	0 036	0 035	---	---	0 040	1951
1952	---	---	0	2 52	0 800	0 353	0 070	0 009	0 032	0 038	---	---	0 447	1952
1953	---	---	0	0 081	0 392	0 587	0 040	0 004	0	0 023	---	---	0 140	1953
1954	---	---	0 080	0 249	0 181	0 226	0 020	0 136	0 120	0 100	---	---	0 136	1954
1955	---	---	0 071	1 68	1 70	0 218	0 507	0 356	0 053	0 056	---	---	0 580	1955
1956	---	---	0 059	0 522	0 150	0 831	0 052	0 027	0 043	0 068	---	---	0 216	1956
1957	---	---	0 042	0 474	0 226	0 534	0 471	1 03	0 011	0 035	---	---	0 352	1957
1958	---	---	0 046	0 458	0 033	0 578	1 14	0 754	0 003	0 034	---	---	0 380	1958
1959	---	---	0 085	0 304	0 124	0 922	0 189	0 307	0 001	0 014	---	---	0 236	1959
1960	---	---	0 185	0 019	0 088	1 06	0 876	0 245	0 001	0 010	---	---	0 307	1960
1961	---	---	0 127	0 417	1 05	0 759	0 531	0 124	0 043	0 004	---	---	0 382	1961
1962	---	---	0 026	0 141	0 032	0 082	0 028	0 001	0	0 029	---	---	0 042	1962
1963	---	---	0 037	0 038	0 014	0 007	0 004	0	0	0	---	---	0 012	1963
1964	---	---	0 033	0 282	0 322	0 029	0 020	0	0	0	---	---	0 085	1964
1965	---	---	0 012	0 182	0 198	0 321	0 121	0 017	0	0	---	---	0 106	1965
1966	---	---	0 029	0 094	0 129	0 632	0 083	0 010	0 029	0 054	---	---	0 129	1966
1967	---	---	0 065	0 412	0 778	0 124	0 718	0 130	0 010	0 038	---	---	0 283	1967
1968	---	---	0 189	0 288	0 241	0 386	0 106	0 323	0 022	0 052	---	---	0 197	1968
1969	---	---	0 019	0 343	0 304	0 407	0 148	0	0	0 008	---	---	0 152	1969
1970	---	---	0 039	0 285	0 861	0 739	0 125	0	0 001	0 010	---	---	0 289	1970
1971	---	---	0 037	0 684	0 362	0 043	0 258	0 556	0 886	0 087	---	---	0 361	1971
1972	---	---	0 075	3 07	0 116	0 532	0 040	0 109	0 018	0 038	---	---	0 492	1972
1973	---	---	0 181	2 59	1 10	0 049	0 005	0	0	0 042	---	---	0 467	1973
1974	---	---	0 042	0 148	0 216	0 046	0 520	0 100	0 016	0 041	---	---	0 142	1974
1975	---	---	0 037	0 035	0 184	0 313	0 109	0 058	0 057	0 071	---	---	0 105	1975
1976	---	---	0 092	0 251	0 094	0 048	0 087	0 012	0 007	0 037	---	---	0 076	1976
1977	---	---	0 028	3 50	1 54	0 717	1 88	0 258	0 003	0 029	---	---	0 988	1977
1978	---	---	0 020	0 027	0 234	0 078	0 030	0 003	0 028	0 053	---	---	0 059	1978
1979	---	---	0 062	0 040	0 059	0 108	0 124	0 027	0 011	0 028	---	---	0 057	1979
1980	---	---	0 031	0 088	0 563	2 34	0 785	0 026	0 010	0 041	---	---	0 483	1980
1981	---	---	0 038	0 018	0 019	0 087	0 054	0 003	0	0 006	---	---	0 028	1981
1982	---	---	0 014	0 056	0 181	0 087	0 109	0 003	0 006	0 029	---	---	0 061	1982
1983	---	---	0 067	0 062	0 191	0 071	0 186	0 009	0 008	0 036	---	---	0 079	1983
1984	---	---	0 033	0 027	0 006	0 052	0 006	0	0	0 002	---	---	0 016	1984
1985	---	---	0 036	0 305	0 080	0 087	0 001	0	0 013	0 040	---	---	0 067	1985
1986	---	0 091	0 108	0 105	0 033	0 128	0 108	0 001	0 040	0 027	---	---	0 068	1986
MEAN	---	0 091	0 041	0 423	0 291	0 331	0 253	0 139	0 056	0 031	---	---	0 195	MEAN

LOCATION - LAT 49 28 12 N
LONG 109 21 06 W

REGULATED SINCE 1940

INTERNATIONAL GAUGING STATION

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO 11ACO60

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1940	---	0.091 ON JUL 20	0 ON MAR 1 *	178	1940
1941	---	0 ON MAR 1	0 ON MAR 1	0	1941
1942	---	0 ON MAR 1	0 ON MAR 1	0	1942
1943	---	1.01 ON SEP 22	0 ON MAR 1	5 570	1943
1944	---	0.984 ON JUL 25	0 ON MAR 1	1 030	1944
1945	---	1.34 ON AUG 4	0 ON MAR 1	3 590	1945
1946	---	1.13 ON JUL 6	0 ON MAR 1	1 870	1946
1947	---	0.850E ON MAY 18	0 ON MAR 1	1 300	1947
1948	---	0.320 ON JUL 8	0 ON MAR 1	743	1948
1949	---	1.78 ON MAY 30	0 ON MAR 1	8 330	1949
1950	---	0.785E ON MAY 12	0 ON MAR 1	728	1950
1951	---	0.425B ON APR 29	0 B ON MAR 1	857	1951
1952	---	5.72 B ON APR 19 *	0 B ON MAR 1	9 460	1952
1953	---	2.15 ON JUN 4	0 B ON MAR 1	2 990	1953
1954	---	1.13 ON AUG 6	0 ON MAY 29	2 870	1954
1955	---	4.82 ON MAY 6	0.014 ON JUN 23	12 300	1955
1956	---	4.67 ON JUN 15	0.014 ON AUG 22	4 560	1956
1957	---	5.52 ON JUN 9	0.006 ON JUL 12	7 470	1957
1958	---	4.87 ON JUN 10	0 ON MAY 24	8 080	1958
1959	---	2.89 ON JUN 28	0 ON SEP 14	5 000	1959
1960	---	2.27 ON JUN 14	0 ON APR 15	5 500	1960
1961	---	3.48 ON MAY 1	0 ON JUN 9	8 100	1961
1962	---	0.422 ON JUN 20	0 ON JUL 10	880	1962
1963	---	0.068B ON MAR 22	0 E ON JUN 17	259	1963
1964	---	1.26 ON APR 28	0 B ON MAR 19	1 810	1964
1965	---	0.985 ON JUN 5	0 ON MAY 13	2 240	1965
1966	---	2.19 ON JUN 7	0.006 ON MAY 17	2 720	1966
1967	---	3.85 ON MAY 25	0 ON AUG 8	5 990	1967
1968	---	1.49 ON JUN 11	0 B ON MAR 1	4 170	1968
1969	---	1.70 ON APR 8	0 ON JUL 8	3 230	1969
1970	---	2.40 ON JUN 12	0 B ON APR 10	5 700	1970
1971	---	3.85 ON APR 24	0 B ON APR 11	7 640	1971
1972	---	5.30 ON JUN 9	0.005 ON AUG 13	10 400	1972
1973	---	4.47 ON MAY 6	0 ON JUL 31	10 300	1973
1974	---	2.02 ON JUL 24	0 B ON APR 2	3 000	1974
1975	---	1.59 ON MAY 7	0.003 ON AUG 18	2 230	1975
1976	---	1.06 B ON MAR 18	0 B ON MAR 27	1 810	1976
1977	---	5.58 ON APR 9	0.001 ON AUG 26	20 900	1977
1978	---	0.602 ON MAY 13	0 B ON APR 1	1 250	1978
1979	---	0.387 ON JUL 22	0.008 ON SEP 29	1 210	1979
1980	---	2.95 ON JUN 13	0.002 ON JUN 1	10 200	1980
1981	---	0.461 ON JUL 14	0 ON AUG 19	593	1981
1982	---	0.686 ON MAY 20	0 ON AUG 8	1 290	1982
1983	---	1.11 ON JUL 11	0 B ON MAR 13	1 680	1983
1984	---	0.362 ON JUN 26	0 ON JUL 9	332	1984
1985	---	0.798B ON APR 8	0 ON JUL 6	1 420	1985
1986	---	0.582 ON JUN 24	0 ON AUG 13	1 460	1985
				4 130	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST INFLOW CANAL - STATION NO 11480070

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	1 34	1 29	0 268	0 121	0 035	0 005	0 003	0 018	---	---	0 383	1939
1940	---	---	0 026	3 37	1 12	0 312	0 081	0 050	0 016	0 004	---	---	0 615	1940
1941	---	---	1 89	0 988	0 005	0 015	0 021	0 035	0 007	0 032	---	---	0 374	1941
1942	---	---	0 034	2 46	0 239	2 18	0 855	0 168	0 063	0 002	---	---	0 714	1942
1943	---	---	2 58	2 75	0 061	0 006	0 003	0 003	0 002	0	---	---	0 672	1943
1944	---	---	0 176	1 06	0 022	0 013	0 031	0 003	0 003	0 009	---	---	0 182	1944
1945	---	---	0 607	0 216	0 021	0 029	0 017	0 005	0 005	0 011	---	---	0 114	1945
1946	---	---	1 30	0 309	0 008	0 106	0 014	0 003	0 006	0 033	---	---	0 224	1946
1947	---	---	0 147	2 14	0 012	0 014	0 012	0 075	0 002	0 003	---	---	0 296	1947
1948	---	---	0 005	4 28	0 708	0 123	0 147	0 055	0 006	0 016	---	---	0 665	1948
1949	---	---	0 056	0 421	0 047	0 040	0 020	0 005	0	0 005	---	---	0 073	1949
1950	---	---	0	2 84	0 183	0 030	0 025	0 072	0 024	0 025	---	---	0 406	1950
1951	---	---	0 006	3 41	1 97	0 262	0 236	0 095	0 105	0 084	---	---	0 765	1951
1952	---	---	0	2 32	1 01	0 452	0 323	0 021	0 006	0 003	---	---	0 512	1952
1953	---	---	0 038	1 12	1 46	0 722	0 027	0 006	0	0 002	---	---	0 418	1953
1954	---	---	0	1 37	0 763	0 017	0 010	0 003	0 004	0 001	---	---	0 287	1954
1955	---	---	0 016	0 188	0 006	0 006	0 006	0 008	0 006	0 003	---	---	0 027	1955
1956	---	---	0 005	1 65	0 209	0 008	0 008	0 008	0 008	0 266	---	---	0 267	1956
1957	---	---	0	3 58	0 469	0 129	0 117	0 099	0	0	---	---	0 540	1957
1958	---	---	0 128	4 27	0 011	0 001	0 005	0	0 001	0	---	---	0 541	1958
1959	---	---	0 413	2 65	0 543	0 365	0 257	0	0	0	---	---	0 523	1959
1960	---	---	2 67	1 82	1 43	0 592	0 163	0	0	0	---	---	0 835	1960
1961	---	---	0 257	0	0	0	0	0	0	0	---	---	0 032	1961
1962	---	---	0 176	0 216	0	0 018	0 002	0	0	0	---	---	0 051	1962
1963	---	---	0 268	0 222	0 010	0 003	0 485	0 003	0	0	---	---	0 122	1963
1964	---	---	0	0 083	0 860	0 003	0 002	0	0	0	---	---	0 092	1964
1965	---	---	0	6 76	1 04	1 77	1 71	0 002	0 826	0 223	---	---	1 50	1965
1966	---	---	2 85	2 59	1 39	0 266	0 246	0 287	0 304	0 003	---	---	0 994	1966
1967	---	---	0	3 06	2 15	0 382	0 480	0 224	0	0	---	---	0 782	1967
1968	---	---	1 20	0 225	0 109	0 536	0 248	0 004	0	0	---	---	0 290	1968
1969	---	---	0	4 80	0 148	0 018	0 152	0 040	0	0	---	---	0 605	1969
1970	---	---	0 058	4 03	0 953	0 518	0 265	0	0 006	0	---	---	0 737	1970
1971	---	---	0	2 57	0 009	0 858	0 004	0	0	0	---	---	0 434	1971
1972	---	---	2 25	0 006	0 041	0 789	0 198	0 095	0 025	0	---	---	0 429	1972
1973	---	---	0 163	0 145	0 174	0 374	0 012	0	0	0	---	---	0 108	1973
1974	---	---	0 024	1 34	1 50	0 237	0 085	0 002	0	0	---	---	0 398	1974
1975	---	---	0 061	1 06	0 75	0 859	0 085	0 217	0 366	0 001	---	---	1 06	1975
1976	---	0 070	1 57	1 85	0 002	0 503	0 035	0	0	0	---	---	0 495	1976
1977	---	---	0 283	0 040	0 050	0 084	0	0	0	0 027	---	---	0 061	1977
1978	---	---	0 182	1 90	0 492	0 001	0 138	0	0 296	0 214	---	---	0 386	1978
1979	---	---	1 89	3 80	1 18	0 018	0 267	0 123	0 008	0	---	---	0 907	1979
1980	---	---	0 108	0 434	0 002	0 145	0	0	0	0	---	---	0 085	1980
1981	---	---	0 016	0	0 242	0 458	0	0	0	0	---	---	0 089	1981
1982	---	---	0	1 27	0 330	1 62	0 153	0	0	0	---	---	0 415	1982
1983	---	---	0 452	0 244	1 84	0 025	0 473	0	0	0	---	---	0 356	1983
1984	---	---	0 042	0 016	0	0	0	0	0	0	---	---	0 007	1984
1985	---	---	0 056	1 94	0	0	0	0	0 081	0 126	---	---	0 271	1985
1986	---	1 10	2 55	0 357	1 74	0 355	0 208	0 005	1 71	1 01	---	---	0 994	1986
MEAN	---	0 585	0 539	1 74	0 626	0 223	0 156	0 036	0 077	0 044	---	---	0 440	MEAN

LOCATION LAT 49 26 10 N
LONG 109 37 06 W REGULATED

INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	5.58 ON MAR 22	0 E ON MAR 1 *	8 110	1939
1940	---	19.5 ON APR 23	0 B ON MAR 1	13 000	1940
1941	---	5.58 B ON MAR 21	0 B ON MAR 1	7 930	1941
1942	---	19.1 ON JUN 27	0 ON MAR 19	15 100	1942
1943	---	16.6 B ON MAR 31	0 ON MAR 1	14 200	1943
1944	---	3.91 B ON APR 2	0 ON JUL 7	3 440	1944
1945	---	2.89 B ON MAR 29	0.003E ON AUG 17	2 420	1945
1946	---	10.7 B ON MAR 29	0 ON AUG 20	4 740	1946
1947	---	8.83 B ON APR 14	0 B ON MAR 1	6 260	1947
1948	---	18.7 ON APR 25	0 B ON MAR 1	14 100	1948
1949	---	1.70 B ON APR 9	0 ON MAR 1	1 550	1949
1950	---	12.0 B ON APR 22	0 B ON MAR 1	8 590	1950
1951	---	14.2 B ON APR 28	0 B ON MAR 1	16 200	1951
1952	---	9.23 B ON APR 14	0 B ON MAR 1	10 800	1952
1953	---	6.91 ON MAY 9	0 B ON MAR 1	8 870	1953
1954	---	4.05 B ON APR 15	0 B ON MAR 1	5 640	1954
1955	---	1.33 B ON APR 12	0 B ON MAR 1	577	1955
1956	---	4.22 B ON APR 16	0 B ON MAR 1	5 640	1956
1957	---	10.3 ON APR 30	0 B ON MAR 1	11 400	1957
1958	---	11.9 B ON APR 3	0 B ON MAR 1	11 500	1958
1959	---	7.42 ON APR 15	0 B ON MAR 1	11 100	1959
1960	---	11.2 ON MAR 30	0 B ON MAR 1	17 700	1960
1961	---	0.903 ON MAR 19	0 B ON MAR 1	887	1961
1962	---	1.10 B ON MAR 30	0 B ON MAR 1	1 090	1962
1963	---	3.54 ON JUL 4	0 B ON MAR 1	2 580	1963
1964	---	5.15 ON MAY 5	0 B ON MAR 1	1 950	1964
1965	---	25.0 ON APR 27 *	0 B ON MAR 1	31 700	1965
1966	---	19.8 ON MAR 31	0 B ON MAR 1	21 000	1966
1967	---	14.9 ON MAY 9	0 B ON MAR 1	16 600	1967
1968	---	2.13 B ON MAR 27	0 ON AUG 25	6 150	1968
1969	---	14.6 B ON APR 8	0 B ON MAR 1	12 900	1969
1970	---	17.2 ON APR 11	0 B ON MAR 1	15 200	1970
1971	---	9.20 ON APR 24	0 B ON MAR 1	9 170	1971
1972	---	17.9 B ON MAR 19	0 B ON MAR 1	9 070	1972
1973	---	2.77 ON JUN 22	0 B ON MAR 1	2 280	1973
1974	---	5.80 ON MAY 26	0 B ON MAR 1	8 420	1974
1975	---	17.8 ON MAY 7	0 B ON MAR 1	22 400	1975
1976	---	8.64 ON APR 7	0 ON MAY 13	10 600	1976
1977	---	0.841B ON MAR 12	0 B ON MAR 1	1 280	1977
1978	---	6.06 ON APR 29	0 B ON MAR 1	8 390	1978
1979	---	17.9 B ON APR 19	0 B ON MAR 1	19 200	1979
1980	---	3.58 ON APR 15	0 B ON MAR 1	1 790	1980
1981	---	4.29 ON JUN 16	0 ON APR 2	1 880	1981
1982	---	8.32 ON JUN 6	0 B ON MAR 1	8 770	1982
1983	---	4.82 ON MAY 18	0 B ON MAR 1	7 580	1983
1984	---	0.3138 ON MAR 28	0 B ON MAR 1	149	1984
1985	---	16.8 ON APR 16	0 B ON MAR 1	5 730	1985
1986	---	13.2 A ON SEP 26	0 ON APR 8	21 100	1986
				9 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO. 11AB085

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0	@.47	1.26	0.129	0.011	0.009	0.005	0.001	---	---	0.203	1955
1956	---	---	0.028	@.026	0.047	0.001	0	0	0	0.263	---	---	0.046	1956
1957	---	---	0	@.039	0.177	0.135	0.115	0.092	0.002	0.011	---	---	0.071	1957
1958	---	---	0.051	@.051	0.010	0.001	0.003	0	0	0	---	---	0.014	1958
1959	---	---	0.031	@.047	0.480	0.364	0.286	0	0	0	---	---	0.151	1959
1960	---	---	0.042	@.010	0.267	0.573	0.150	0	0	0	---	---	0.130	1960
1961	---	---	0.023	@.001	0	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0.008	@.112	0	0.013	0	0	0	0	---	---	0.016	1962
1963	---	---	0.030	@.004	0.001	0.001	0.005	0.001	0.001	0	---	---	0.005	1963
1964	---	---	0	@.037	0	0	0	0	0	0	---	---	0.005	1964
1965	---	---	0	@.011	0.043	0.101	0.003	0.001	0.001	0.006	---	---	0.021	1965
1966	---	---	0.012	@.005	0.175	0.074	0.002	0.206	0.283	0.005	---	---	0.075	1966
1967	---	---	0	@.050	1.93	0.144	0.486	0.039	0.006	0.001	---	---	0.338	1967
1968	---	---	0.007	@.002	0.272	0.001	0.019	0.003	0.001	0	---	---	0.039	1968
1969	---	---	0	0.001	0.399	0.131	0.024	0.041	0	0	---	---	0.075	1969
1970	---	---	0.053	0.030	0.324	0.382	0.182	0.004	0.002	0	---	---	0.122	1970
1971	---	---	0	0.003	0.515	0	0.227	0.001	0	0	---	---	0.107	1971
1972	---	---	0	0	0.001	0.012	0.120	0.004	0.025	0	---	---	0.032	1972
1973	---	---	0.143	0.013	0.004	0.001	0	0	0	0	---	---	0.023	1973
1974	---	---	0.001	0.010	0.004	0.001	0	0.001	0	0	---	---	0.002	1974
1975	---	---	0.061	0.023	0.003	0	0.004	0.021	0.005	0.001	---	---	0.015	1975
1976	---	---	0.185	0.002	0	0	0	0	0	0	---	---	0.024	1976
1977	---	---	0.167	0.006	0.001	0.003	0	0	0	0.001	---	---	0.022	1977
1978	---	---	0.008	0.019	0.001	0.001	0.001	0	0.001	0.001	---	---	0.004	1978
1979	---	---	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0	---	---	0.001	1979
1980	---	---	0.108	0.044	0	0	0	0	0	0	---	---	0.019	1980
1981	---	---	0.015	0	0.001	0.002	0.001	0	0	0	---	---	0.002	1981
1982	---	---	0	0.011	0.001	0.001	0.002	0	0	0	---	---	0.002	1982
1983	---	---	0.018	0.001	0.024	0.001	0.002	0	0	0	---	---	0.006	1983
1984	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.011	0.001	0	B	0	0	0	0.002	---	---	0.002	1985
1986	---	---	0	0	0.477	0.027	0.004	0.001	0.003	0.001	---	---	0.085	1986
MEAN	---	---	0.032	0.126	0.204	0.066	0.052	0.016	0.011	0.009	---	---	0.064	MEAN

LOCATION - LAT 49 28 25 N
LONG 109 36 30 W
REGULATED
INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO 11AB085

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	12.7 E ON APR 20 *	0 ON MAR 1 *	12 800	1955
1956	---	0.949 ON OCT 16	0 ON JUN 4	974	1956
1957	---	0.891 ON MAY 8	0E ON MAR 1	1 510	1957
1958	---	1.13 B ON MAR 31	0E ON MAR 1	307	1958
1959	---	0.889 ON JUL 9	0E ON MAR 1	3 200	1959
1960	---	1.36 ON MAY 31	0 ON MAR 1	2 750	1960
1961	---	0.1988 ON MAR 14	0E ON MAR 1	84.7	1961
1962	---	0.586 ON APR 20	0E ON MAR 1	347	1962
1963	---	0.2868 ON MAR 25	0E ON MAR 1	115	1963
1964	---	0.232 ON APR 4	0E ON MAR 1	96.4	1964
1965	---	0.552 ON JUN 23	0E ON MAR 1	435	1965
1966	---	0.816 ON MAY 25	0E ON MAR 1	2 010	1966
1967	---	5.27 ON MAY 17	0E ON MAR 1	7 150	1967
1968	---	0.850 ON MAY 7	0 ON AUG 9	819	1968
1969	---	1.45 ON MAY 21	0E ON MAR 1	1 580	1969
1970	---	2.45 ON MAY 9	0E ON MAR 1	2 580	1970
1971	---	1.83 ON MAY 17	0E ON MAR 1	2 270	1971
1972	---	0.354 ON AUG 14	0E ON MAR 1	671	1972
1973	---	0.7538 ON MAR 18	0E ON MAR 1	481	1973
1974	---	0.069 ON MAY 7	0E ON MAR 1	45.0	1974
1975	---	0.1958 ON MAR 19	0E ON MAR 1	315	1975
1976	---	0.3578 ON MAR 16	0 ON APR 11	500	1976
1977	---	0.3688 ON MAR 5	0E ON MAR 1	473	1977
1978	---	0.0888 ON APR 4	0E ON MAR 1	83.1	1978
1979	---	0.0308 ON MAR 15	0E ON MAR 1	22.8	1979
1980	---	0.8438 ON MAR 28	0E ON MAR 1	404	1980
1981	---	0.057E ON MAR 12	0A ON MAR 22	50.0	1981
1982	---	0.0458 ON APR 14	0E ON MAR 1	39.3	1982
1983	---	0.372 ON MAY 21	0E ON MAR 20	123	1983
1984	---	0.0048 ON MAR 28	0E ON MAR 1	4.32	1984
1985	---	0.0948 ON MAR 22	0E ON MAR 1	37.4	1985
1986	---	1.91 ON MAY 22	0E ON MAR 5	1 370	1986
				1 380	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO 11AB077

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1940	---	---	0	0	0	0	0.075	0.010	0	0	---	---	0.011	1940
1941	---	---	0	0.081	0	0	0	0.050	0.095	0	---	---	0.028	1941
1942	---	---	0	0.214	0.001	0	0.036	0.055	0	0	---	---	0.036	1942
1943	---	---	0	0.042	0	0	0.229	0.438	0.198	0.184	---	---	0.137	1943
1944	---	---	0.012	0.036	0.084	0.078	0.071	0.355	0.182	0.016	---	---	0.104	1944
1945	---	---	0.087	0.004	0.088	0.303	0.295	0.228	0	0.032	---	---	0.127	1945
1946	---	---	0.147	0.004	0.088	0.516	0.396	0.331	0	0	---	---	0.185	1946
1947	---	---	0	0.088	0.081	0.330	0.449	0.023	0	0	---	---	0.121	1947
1948	---	---	0	0.111	0.141	0.331	1.21	0.144	0.156	0.083	---	---	0.272	1948
1949	---	---	0	0.156	1.22	1.06	0.694	0.249	0.115	0.143	---	---	0.455	1949
1950	---	---	0	0.033	0.035	0.308	0.869	0.243	0	0.058	---	---	0.169	1950
1951	---	---	0	0	0.485	0.028	0.548	0.883	0	0	---	---	0.218	1951
1952	---	---	0	0.404	0	0.143	0.441	0.325	0.002	0	---	---	0.184	1952
1953	---	---	0	0.033	0.121	0.032	0.800	0.538	0.110	0.007	---	---	0.207	1953
1954	---	---	0	0.022	0.154	0.256	0.740	0.308	0.005	0	---	---	0.187	1954
1955	---	---	0	0.072	0.434	0.142	0.018	0.389	0.143	0.232	---	---	0.181	1955
1956	---	---	0	0.009	0.300	1.40	0.720	0.582	0.278	0.041	---	---	0.415	1956
1957	---	---	0	0.284	0.568	0.484	1.36	0.548	0.209	0	---	---	0.431	1957
1958	---	---	0.003	0.438	0.855	1.05	1.27	0.655	0.356	0.001	---	---	0.578	1958
1959	---	---	0	0.047	1.10	1.25	0.592	0.628	0.228	0	---	---	0.480	1959
1960	---	---	0	0.835	0.095	1.49	1.57	0.511	0.014	0.014	---	---	0.583	1960
1961	---	---	0.003	0.208	1.30	0.973	1.48	0.055	0.021	0.105	---	---	0.520	1961
1962	---	---	0.004	0.043	1.31	0.511	0.153	0	0.005	0.041	---	---	0.260	1962
1963	---	---	0.010	0.408	1.35	0.341	0.059	0.002	0	0	---	---	0.272	1963
1964	---	---	0	0.023	0.412	1.08	0.001	0	0	0	---	---	0.185	1964
1965	---	---	0	0.057	1.90	0.628	0.004	0.887	0.002	0	---	---	0.437	1965
1966	---	---	0	0.576	1.08	0.395	0.830	0.462	0.005	0.001	---	---	0.422	1966
1967	---	---	0	0.189	0.549	0.897	1.47	1.07	0.001	0	---	---	0.521	1967
1968	---	---	0.085	0.085	1.51	0.072	2.21	0.106	0.001	0	---	---	0.515	1968
1969	---	---	0	0.302	1.06	0.358	1.70	0.708	0	0.002	---	---	0.520	1969
1970	---	---	0	0.397	1.49	1.14	1.45	0.051	0.001	0.002	---	---	0.588	1970
1971	---	---	0	0.511	1.23	0.733	1.69	0.573	0.002	0.003	---	---	0.595	1971
1972	---	---	0.159	0.008	2.12	0.092	1.70	0.358	0	0.001	---	---	0.561	1972
1973	---	---	0.011	0.016	2.06	0.018	2.06	0.822	0	0	---	---	0.606	1973
1974	---	---	0	0.278	0.808	2.53	1.65	0.083	0	0	---	---	0.642	1974
1975	---	---	0	0.114	0.321	2.53	1.32	0.315	0.003	0.002	---	---	0.571	1975
1976	---	---	0.080	0.161	2.09	0.119	1.59	0.154	0.001	0.003	---	---	0.529	1976
1977	---	---	0.003	0.002	1.87	0.595	1.88	0.003	0.003	0.001	---	---	0.581	1977
1978	---	---	0	0.002	0.281	2.09	0.043	0.002	0.002	0.002	---	---	0.298	1978
1979	---	---	0.007	0.776	0.618	1.41	1.82	0.004	0.001	0.002	---	---	0.540	1979
1980	---	---	0.002	0.009	2.48	0.018	1.58	0.024	0	0	---	---	0.523	1980
1981	---	---	0.002	0.383	2.14	0.045	0.146	0.003	0.011	0.022	---	---	0.347	1981
1982	---	---	0	0.003	0.013	1.46	0.095	0	0	0	---	---	0.193	1982
1983	---	---	0.001	0.011	1.92	0.762	0.078	0	0	0	---	---	0.347	1983
1984	---	---	0.001	0.002	1.34	0.027	0.022	0.001	0	0	---	---	0.176	1984
1985	---	---	0.001	0.049	0.803	1.55	0.270	0.001	0	0	---	---	0.306	1985
1986	---	0	0.140	0.016	1.18	1.83	0.032	0	0.063	0.003	---	---	0.381	1986
MEAN	---	0	0.016	0.181	0.823	0.883	0.794	0.272	0.047	0.021	---	---	0.350	MEAN

LOCATION - LAT 49 28 14 N
LONG 109 35 18 W
REGULATED
INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO 11AB077

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1940	---	0.102 ON JUL 8	0 ON MAR 1 *	227	1940
1941	---	0 450E ON AUG 29	0 ON MAR 1	591	1941
1942	---	1.59 ON APR 23	0 ON MAR 1	800	1942
1943	---	0.852 ON AUG 16	0 ON MAR 1	2 910	1943
1944	---	0.538 ON JUL 28	0B ON MAR 1	2 210	1944
1945	---	0.838 ON AUG 9	0 ON MAR 1	2 700	1945
1946	---	1.12 ON MAR 27	0 ON MAR 1	3 920	1946
1947	---	0.804 ON JUL 24	0 ON MAR 1	2 560	1947
1948	---	1.50 ON JUL 8	0 ON MAR 1	5 770	1948
1949	---	1.87 ON MAY 23	0 ON MAR 1	9 640	1949
1950	---	1.05 ON JUL 25	0 ON MAR 1	3 580	1950
1951	---	8.61 ON MAY 4 *	0B ON MAR 1	4 610	1951
1952	---	1 42 B ON APR 16	0B ON MAR 1	3 480	1952
1953	---	1.67 ON JUL 25	0B ON MAR 1	4 380	1953
1954	---	1.81 ON JUL 23	0B ON MAR 1	3 950	1954
1955	---	1.93 A ON MAY 3	0B ON MAR 1	3 830	1955
1956	---	2 12 ON JUN 14	0B ON MAR 1	8 780	1956
1957	---	2 38 ON JUL 19	0B ON MAR 1	9 120	1957
1958	---	2.55 ON APR 22	0B ON MAR 1	12 200	1958
1959	---	1.90 ON MAY 28	0B ON MAR 1	10 200	1959
1960	---	2.27 ON JUL 26	0 ON MAR 1	11 900	1960
1961	---	2.21 ON JUL 16	0B ON MAR 1	11 000	1961
1962	---	2.77 ON MAY 18	0B ON MAR 1	5 500	1962
1963	---	2.23 ON MAY 10	0B ON MAR 1	5 780	1963
1964	---	1.97 ON JUN 18	0 ON MAR 1	3 900	1964
1965	---	3.31 A ON MAY 4	0B ON MAR 1	9 270	1965
1966	---	3 14 ON JUL 28	0 ON MAR 1	8 930	1966
1967	---	2 97 ON JUL 22	0B ON MAR 1	11 000	1967
1968	---	4 19 ON JUL 16	0B ON MAR 1	10 900	1968
1969	---	4 62 ON JUL 23	0B ON MAR 1	11 000	1969
1970	---	4 47 ON JUL 20	0B ON MAR 1	12 000	1970
1971	---	4 05 ON JUL 22	0B ON MAR 1	12 800	1971
1972	---	4 98 ON MAY 12	0B ON MAR 1	11 800	1972
1973	---	3 94 ON MAY 12	0 ON JUN 12	12 800	1973
1974	---	5.30 ON JUN 12	0B ON MAR 1	13 600	1974
1975	---	5 04 ON JUN 11	0B ON MAR 1	12 100	1975
1976	---	4 64 ON MAY 18	0B ON MAR 1	11 200	1976
1977	---	4 08 ON MAY 17	0B ON MAR 1	11 900	1977
1978	---	4 08 ON MAY 31	0B ON MAR 1	6 310	1978
1979	---	4 71 ON JUL 20	0B ON MAR 1	11 400	1979
1980	---	5.09 ON MAY 18	0B ON MAR 1	11 100	1980
1981	---	2.91 ON APR 27	0B ON MAR 1	7 360	1981
1982	---	2 84 ON JUN 14	0B ON MAR 1	4 090	1982
1983	---	3.81 ON MAY 20	0B ON MAR 11	7 350	1983
1984	---	2.13 ON MAY 2	0B ON MAR 1	3 730	1984
1985	---	2 17 ON JUN 23	0B ON MAR 1	5 490	1985
1986	---	3 51 ON MAY 26	0B ON MAR 1	8 050	1986
				7 420	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DAFOE BROOK NEAR DAFOE - STATION NO 05MA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0 245	0 157	0	0	0	0	0	0	---	---	0 050	1966
1967	---	---	0	0 989	0 051	0	0	0	0	---	---	---	---	1967
1968	---	---	0 111	0 003	0	0	0	0	0	0	---	---	0 014	1968
1969	---	---	0	0 188	0 008	0	0	0	0	0	---	---	0 024	1969
1970	---	---	0 006	0 386	0 009	0	0	0	0	0	---	---	0 049	1970
1971	---	---	0	0 255	0	0	0	0	0	0	---	---	0 031	1971
1972	---	---	0 071	0 149	0 004	0	0	0	0	0	---	---	0 028	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	---	---	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0 054	0 266	0 009	0	0	0	0	0	---	---	0 028	MEAN

LOCATION - LAT 51 45 03 N, LONG 104 30 47 W
DRAINAGE AREA 106 km^2, NATURAL FLOW
DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

DAFOE BROOK NEAR DAFOE - STATION NO 05MA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	3 45 ON MAR 30	0E ON MAR 1 *	1 050	1966
1967	---	5.30 ON APR 10 *	0E ON MAR 1	---	1967
1968	---	0 520 ON MAR 7	0E ON MAR 1	305	1968
1969	---	1.07 ON APR 10	0E ON MAR 1	807	1969
1970	---	2 50 ON APR 5	0B ON MAR 1	1 040	1970
1971	---	2 44 ON APR 10	0E ON MAR 1	660	1971
1972	---	0 569 ON MAR 22	0E ON MAR 1	587	1972
1973	---	0 ON MAR 1	0 ON MAR 1	0	1973
1974	---	? 61 ON APR 19	---	---	1974
				594	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DAVIS CREEK AT DRURY'S RANCH - STATION NO 11AC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	0 548	0 058	0 036	0 017	---	---	---	1909
1911	---	---	---	---	0 385	0 127	---	---	0 146	---	---	---	---	1911
1912	---	---	---	---	0 755	0 208	0 047	0 040	0 021	0 054	---	---	---	1912
1913	---	---	---	2 19	0 226	0 078	0 082	0 044	0 006	0 002	---	---	---	1913
1914	---	---	---	1 23	0 206	---	0 052	--	---	---	---	---	---	1914
1915	---	---	---	1 84	0 192	0 476	0 409	0 071	0 036	0 078	---	---	---	1915
1916	---	---	2 84	0 738	0 949	1 36	---	0 390	0 137	0 380	---	---	---	1916
1917	---	---	---	---	---	0 232	0 027	0 193	0 222	0	---	---	---	1917
1918	---	---	---	2 20	0 280	0 078	0 033	0 010	0 002	0 001	---	---	---	1918
1919	---	---	---	0 839	0 156	0 043	0 030	0 003	0	0	---	---	---	1919
1920	---	---	0 009	2 83	2 25	0 058	0 041	0 012	0 002	0 001	---	---	0 647	1920
1921	---	---	0 191	1 55	0 290	0 062	0 028	0 007	0 002	0 001	---	---	0 282	1921
1922	---	---	0 035	3 42	1 48	0 095	0 063	0 018	0 006	0 001	---	---	0 633	1922
1923	---	---	0 006	1 18	0 219	0 209	0 076	0 032	0 002	0 005	---	---	0 213	1923
1924	---	---	0 004	0 820	0 189	0 305	0 100	0 018	0 003	0	---	---	0 175	1924
1925	---	---	0 017	3 24	0 185	0 210	0 042	0 009	0 001	0	---	---	0 465	1925
1926	---	---	1 80	0 786	0 094	0 042	0 011	0 002	0	0	---	---	0 341	1926
1927	---	---	0 022	3 54	2 03	0 832	0 127	0 037	0 008	0 016	---	---	0 783	1927
1928	---	---	1 01	0 725	0 211	0 219	0 140	0 036	0 004	0 010	---	---	0 294	1928
MEAN	---	---	0 593	1 79	0 582	0 281	0 105	0 058	0 035	0 033	--	---	0 424	MEAN

LOCATION - LAT 49 30 25 N LONG 109 20 00 W DRAINAGE AREA 116 km² NATURAL FLOW

DAVIS CREEK AT DRURY'S RANCH - STATION NO 11AC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1911	---	---	---	---	1911
1912	---	15 0 ON APR 10	---	---	1912
1913	---	7 33 ON APR 6	---	---	1913
1914	---	4 360 ON APR 6	0 ON SEP 21 *	---	1914
1915	---	10 8 ON APR 3	---	---	1915
1916	---	11 1 ON MAR 22	---	---	1916
1917	---	---	v ON JUL 12	---	1917
1918	---	8 52 ON APR 10	0 ON OCT 12	---	1918
1919	4 87 AT 03 00 MST ON APR 19	2 75 ON APR 19	0 ON AUG 23	---	1919
1920	13 5 AT 22 00 MST ON APR 19	11 2 ON APR 28	0 E ON OCT 12	13 700	1920
1921	13 0 AT 23 00 MST ON APR 13	8 27 ON APR 14	0 E ON SEP 20	5 580	1921
1922	21 1 AT 10 00 MST ON APR 23	17 0 ON APR 22	0 001 ON SEP 17	13 400	1922
1923	6 178 AT 18 00 MST ON APR 14	4 59 ON APR 17	0 001 ON SEP 16	4 520	1923
1924	21 1 AT 21 00 MST ON APR 6	7 67 ON APR 7	0 ON SEP 24	3 690	1924
1925	13 6 AT 22 00 MST ON APR 4	11 2 ON APR 5	0 ON SEP 20	9 630	1925
1926	12 9 AT 13 40 MST ON MAR 20	11 1 ON MAR 20	0 ON AUG 26	7 210	1926
1927	27 7 AT 22 00 MST ON APR 25 *	21 8 ON APR 25 *	0 006 ON SEP 13	16 800	1927
1928	12 6 8 AT 20 00 MST ON MAR 21	8 218 ON MAR 21	0 003 ON SEP 7	6 230	1928
				8 970	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEAD RIVER NEAR KINISTINO - STATION NO 05KA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0 131	0 006	0 090	0 089	0	0	---	---	---	---	1919
MEAN	---	---	---	0 131	0 006	0 090	0 089	0	0	---	---	---	---	MEAN

LOCATION - LAT 52 45 00 N LONG 105 05 00 W DRAINAGE AREA 321 km² NATURAL FLOW

DEAD RIVER NEAR KINISTINO - STATION NO 05KA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1919	---	1 02E ON JUN 28 *	0 ON MAR 13 *	---	1919
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DENNIEL CREEK NEAR VAL MARIE - STATION NO 11AC025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	0.001	0	0.006	0.009	---	---	---	1914
1915	---	---	---	0.774	0.014	0.017	0.010	0.005	0.007	0.008	---	---	---	1915
1916	---	---	---	3.03	0.309	0.329	1.24	0.054	0.018	0.019	---	---	---	1916
1917	---	---	---	3.82	0.734	0.065	0.006	0.001	0.012	0.012	---	---	---	1917
1918	---	---	---	0.141	0.020	0.010	0.003	0.003	0.003	0.006	---	---	---	1918
1919	---	---	0.014	0.887	0.004	0.001	0.002	0.001	0.002	0.003	---	---	0.113	1919
1920	---	---	0.963	0.333	0.019	0.003	0.002	0	0.001	0.002	---	---	0.184	1920
1921	---	---	0.411	0.014	0.007	0.004	0.017	0	0.001	0.003	---	---	0.058	1921
1922	---	---	0.004	1.98	0.130	0.009	0.020	0.003	0.001	0.001	---	---	0.264	1922
1923	---	---	0.040	0.809	0.015	2.76	0.775	0.012	0.005	0.006	---	---	0.519	1923
1924	---	---	0.026	0.925	0.041	0.015	0.001	0.002	0.003	0.011	---	---	0.128	1924
1925	---	---	3.81	1.21	0.036	0.104	0.018	0.006	0.013	0.018	---	---	0.654	1925
1926	---	---	2.28	0.020	0.009	0.005	0.001	0	0.001	0.001	---	---	0.293	1926
1927	---	---	0.359	3.46	0.947	0.380	0.027	0.011	0.024	0.041	---	---	0.653	1927
1928	---	---	3.08	0.530	0.030	0.134	0.022	0.009	0.009	0.016	---	---	0.482	1928
1929	---	---	0.080	0.072	0.009	0.005	0.001	0	0.001	0.004	---	---	0.021	1929
1930	---	0.816	2.07	1.28	0.017	0.004	0.003	0.008	0.003	0.009	---	---	0.425	1930
1931	---	---	0.022	0.015	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	0.006	---	---	---	1935
1936	---	---	0	0.956	0.023	0.010	---	---	---	---	---	---	---	1936
1937	---	---	0.003	0.202	0.002	0	0	0	0	---	---	---	0.026	1937
1983	---	---	---	0.045	0.009	0.172	0.024	0	0	0.005	---	---	---	1983
1984	---	---	---	0.015	0.004	0.002	0	0	0	0	---	---	---	1984
1985	---	---	---	3.30	0.848	0.128	0.053	0.051	0.027	0.013	---	---	---	1985
1986	---	---	---	---	---	0.008	0.004	0.001	0	0.003	---	---	---	1986
1987	---	---	---	3.55	1.93	0.023	0.004	0	0.002	0.010	---	---	---	1987
1988	---	---	---	0.011	0.005	0.003	0	0	0.001	0.003	---	---	---	1988
1989	---	---	---	3.44	0.441	0.005	0.006	0	0	0.001	---	---	---	1989
1970	---	---	---	4.41	1.10	0.140	0.004	0.001	0	0.006	---	---	---	1970
1971	---	---	---	---	0.065	0.007	0	0	0	0	---	---	---	1971
1972	---	---	0.401	0.025	0.005	0.003	0	0	0	0	---	---	0.055	1972
1973	---	---	0.403	0.009	0.003	0.033	0	0	0	0	---	---	0.056	1973
1974	---	---	1.80	2.67	1.11	0.038	0	0.002	0.002	0.002	---	---	0.701	1974
1975	---	---	0.001	1.02	0.891	0.007	0	0	0.001	0.003	---	---	0.214	1975
1976	---	---	3.98	0.470	0.009	0.007	0.003	0	0	0.001	---	---	0.565	1976
1977	---	---	0.005	0.047	0.004	0	0	0	0	0	---	---	0.007	1977
1978	---	---	1.96	0.876	0.021	0.028	0.028	0.003	0	0.001	---	---	0.365	1978
1979	---	---	0.077	2.44	0.196	0.011	0.189	0.001	0	0.003	---	---	0.359	1979
1980	---	---	1.18	0.729	0.002	0.003	0	0	0	0	---	---	0.239	1980
1981	---	0.187	0.015	0.004	0.002	0.004	0	0	0	0	---	---	0.003	1981
1982	---	---	1.76	3.71	0.162	0.419	0.007	0	0	0.004	---	---	0.750	1982
1983	---	---	1.00	0.451	0.068	0.003	0.003	0	0	0	---	---	0.191	1983
1984	---	---	0.004	0.002	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.158	0.256	0	0	0	0	0	0	---	---	0.051	1985
1986	---	1.24	3.18	0.015	0.212	0.003	0.015	0	0	0.005	---	---	0.434	1985
MEAN	---	0.798	0.871	1.16	0.226	0.118	0.059	0.004	0.003	0.005	---	---	0.278	MEAN

LOCATION - LAT 49 16 26 N
LONG 107 42 12 W

DRAINAGE AREA, 494 km²
NATURAL FLOW

DENNIEL CREEK NEAR VAL MARIE - STATION NO 11AC025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	4.47 ON APR 11	0 ON JUL 15 *	---	1914
1915	---	5.49 ON APR 3	---	---	1915
1916	---	8.50 B ON MAR 30	---	---	1916
1917	---	9.85 ON APR 11	0B ON APR 1	---	1917
1918	---	7.82 B ON MAR 22	0 ON AUG 4	---	1918
1919	---	4.45 ON APR 2	0 ON MAR 1	2 400	1919
1920	---	5.18 B ON MAR 23	0B ON MAR 1	3 470	1920
1921	---	1.98 B ON MAR 21	0 ON AUG 3	1 220	1921
1922	---	5.17 B ON APR 3	0 ON MAR 1	5 590	1922
1923	87.4 ON JUN 18 *	47.9 ON JUN 18 *	0B ON MAR 1	11 000	1923
1924	---	5.95 ON APR 4	0B ON MAR 8	2 870	1924
1925	---	25.3 B ON MAR 26	0B ON MAR 1	13 800	1925
1926	---	21.0 ON MAR 17	0 ON JUL 17	6 210	1926
1927	---	31.1 ON APR 4	0B ON MAR 1	13 500	1927
1928	---	31.1 B ON MAR 22	0B ON MAR 1	10 200	1928
1929	---	0.620B ON MAR 31	0B ON MAR 1	454	1929
1930	---	13.0 B ON MAR 12	0 ON JUL 8	8 990	1930
1931	---	---	0B ON MAR 11	---	1931
1935	---	---	---	---	1935
1936	---	7.79 E ON APR 15	0B ON MAR 1	---	1936
1937	---	2.52 ON APR 9	0B ON MAR 1	536	1937
1983	---	---	0 ON JUL 23	---	1983
1984	---	---	0 ON MAY 22	---	1984
1985	34.0 AT 02:00 MST ON APR 14	22.3 B ON APR 13	0B ON APR 1	---	1985
1986	---	---	0 ON JUL 13	---	1986
1987	20.6 AT 10:00 MST ON APR 14	16.2 B ON APR 12	0 ON JUL 22	---	1987
1988	---	0.0148 ON APR 1	0 ON JUL 7	---	1988
1989	34.0 B AT 03:00 MST ON APR 7	25.8 B ON APR 7	0 ON JUL 25	---	1989
1970	39.9 AT 04:01 MST ON APR 7	31.4 B ON APR 7	0 ON JUL 4	---	1970
1971	---	---	0 ON JUN 5	---	1971
1972	4.64 B AT 10:50 CST ON MAR 20	3.62 B ON MAR 20	0B ON MAR 1	1 180	1972
1973	2.47 B AT 15:00 CST ON MAR 5	2.08 B ON MAR 5	0 ON MAY 15	1 190	1973
1974	27.3 B AT 09:26 CST ON MAR 31	23.6 B ON MAR 31	0 ON JUN 23	14 800	1974
1975	16.6 AT 22:10 CST ON MAY 8	8.69 ON MAY 7	0B ON MAR 1	4 530	1975
1976	32.6 B AT 04:44 CST ON MAR 20	26.5 B ON MAR 20	0 ON JUL 11	12 000	1976
1977	0.830 AT 00:26 CST ON APR 10	0.524 ON APR 10	0 ON MAR 31	148	1977
1978	15.4 B AT 08:05 CST ON MAR 30	12.3 B ON MAR 28	0B ON MAR 1	7 720	1978
1979	19.4 AT 06:03 CST ON APR 18	16.1 ON APR 18	0B ON MAR 1	7 800	1979
1980	12.3 B AT 17:05 CST ON MAR 29	9.46 B ON MAR 29	0B ON MAR 1	5 080	1980
1981	---	0.084B ON MAR 1	0 ON APR 20	63.3	1981
1982	23.2 AT 05:08 CST ON APR 13	17.3 ON APR 13	0B ON MAR 1	15 900	1982
1983	13.6 AT 18:33 CST ON MAR 31	9.08 ON MAR 30	0 ON JUN 20	4 050	1983
1984	0.009B AT 00:20 CST ON MAR 9	0.008B ON MAR 9	0E ON APR 17	15.5	1984
1985	4.20 AT 01:33 CST ON APR 3	2.88 ON APR 3	0B ON MAR 1	1 050	1985
1986	---	11.9 B ON MAR 3	0 ON JUN 16	9 180	1986
				5 890	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO 07CD007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	16.4	---	---	---	---	14.5	10.0	8.59	---	1978
1979	7.98	7.68	7.62	9.55	19.1	13.3	12.4	11.2	11.1	11.5	11.1	8.77	11.0	1979
1980	8.43	7.72	---	---	---	9.31	8.80	10.5	11.8	12.8	10.5	8.82	---	1980
1981	8.26	7.87	8.38	10.6	12.3	8.70	9.27	8.42	7.25	8.00	8.57	8.17	8.83	1981
1982	7.51	7.17	7.05	9.08	23.5	10.9	9.75	10.6	8.84	7.92	8.97	8.76	9.89	1982
1983	7.01	6.83	6.98	10.6	12.2	9.93	7.56	7.73	9.19	8.88	8.62	7.31	8.58	1983
1984	8.16	8.16	7.35	12.6	9.98	9.75	9.54	10.4	9.32	8.30	8.42	7.98	9.18	1984
1985	7.14	6.80	6.53	7.71	16.3	9.21	9.22	8.16	8.67	10.5	8.36	8.79	8.72	1985
1986	8.82	7.28	7.81	11.6	14.6	9.13	10.0	9.80	7.51	8.29	8.24	7.80	9.11	1986
MEAN	7.86	7.44	7.38	10.3	16.3	10.0	9.67	9.80	9.21	10.1	8.98	7.90	9.30	MEAN

LOCATION - LAT 57 07 23 N
LONG 109 13 36 W
DRAINAGE AREA, 1 690 km^2
NATURAL FLOW

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO 07CD007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	24.3B AT 16:19 CST ON MAY 21 *	23.9B ON MAY 20	7.58B ON MAR 4	346 000	1979
1980	14.0 AT 22:53 CST ON OCT 8	13.8B ON OCT 9	---	---	1980
1981	15.7 AT 03:33 CST ON MAY 5	15.3 ON MAY 4	6.85 ON NOV 28	278 000	1981
1982	---	28.0E ON MAY 12 *	6.38 ON NOV 13	306 000	1982
1983	16.5 AT 05:59 CST ON APR 24	16.3 ON APR 23	6.46 ON NOV 25	270 000	1983
1984	15.3 AT 19:53 CST ON APR 9	15.2 ON APR 5	6.60 ON MAR 22	290 000	1984
1985	---	15.4E ON MAY 11	6.35 ON DEC 17 *	275 000	1985
1986	18.4 AT 14:11 CST ON MAY 10	17.4 ON MAY 11	6.65 ON JAN 30	287 000	1986
				293 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

DILLON RIVER BELOW DILLON LAKE - STATION NO. 08SA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	4.21	5.26	5.88	3.42	---	1972
1973	2.24	1.33	0.856	3.72	7.81	11.8	19.1	54.0	31.4	24.5	18.7	8.78	15.3	1973
1974	8.84	5.72	4.28	20.8	48.5	22.3	27.8	19.4	13.9	12.2	8.94	5.16	16.5	1974
1975	3.45	2.45	1.26	2.00	12.5	12.8	19.0	17.8	21.5	16.9	11.0	5.40	10.5	1975
1976	4.14	2.40	0.795	9.34	10.7	7.45	33.1	21.3	13.8	12.4	8.29	4.84	10.8	1976
1977	3.89	2.32	1.04	5.59	11.0	19.7	8.84	6.32	4.37	5.89	5.16	4.05	6.48	1977
1978	3.42	2.30	1.47	3.06	27.2	21.6	8.75	3.39	6.94	8.89	4.20	2.07	7.77	1978
1979	0.972	---	---	---	26.2	25.9	15.9	12.5	17.1	12.0	7.83	4.33	---	1979
1980	2.55	0.810	0.565	5.70	6.72	3.09	4.13	17.8	18.1	16.7	8.51	3.57	7.45	1980
1981	1.35	1.06	1.35	5.54	8.20	5.70	9.04	7.43	3.86	3.02	4.12	2.82	4.47	1981
1982	1.47	0.774	0.747	3.58	44.8	18.1	7.86	6.82	5.02	4.13	2.54	1.90	8.29	1982
1983	1.81	1.52	1.08	5.15	8.84	8.53	11.6	6.85	5.27	11.7	6.99	2.68	5.11	1983
1984	1.35 R	1.08 R	0.585R	5.80R	18.7 R	27.0 R	8.06R	4.78R	5.67R	7.59R	6.43R	4.35R	7.77R	1984
1985	2.22	1.09	1.13	8.55	73.6	21.4	9.52	8.19	4.95	5.15	3.33	1.29	11.6	1985
1986	0.996	1.16	1.18	5.30	18.4	11.1	24.7	28.2	5.89	4.13	3.25	3.37	8.95	1986
MEAN	2.77 R	1.85 R	1.26 R	6.85R	23.0 R	15.5 R	14.8 R	15.1 R	10.8 R	10.1 R	6.85R	3.94R	9.40	MEAN

LOCATION - LAT 55 42 35 N
LONG 109 23 08 W
DRAINAGE AREA 2 330 km²
NATURAL FLOW

R - REVISED SINCE JAN 1986

DILLON RIVER BELOW DILLON LAKE - STATION NO. 08SA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	88.9 AT 13:14 CST ON AUG 17 *	88.3 ON AUG 17	0.680 ON MAR 20	482 000	1973
1974	---	93.2A ON MAY 3	3.85 ON MAR 29	522 000	1974
1975	35.3 AT 12:54 CST ON SEP 15	24.7 ON SEP 14	0.615 ON APR 5	335 000	1975
1976	51.5 AT 13:48 CST ON JUL 22	51.0 ON JUL 22	0.606 ON MAR 25	340 000	1976
1977	29.7 AT 02:11 CST ON JUN 10	28.7 ON JUN 9	0.782 ON MAR 28	204 000	1977
1978	35.4 AT 13:54 CST ON MAY 12	32.0 ON MAY 11	0.954 ON MAR 24	245 000	1978
1979	---	33.2 ON MAY 25	---	---	1979
1980	---	23.0E ON AUG 12	0.3938 ON MAR 10 *	236 000	1980
1981	12.8 AT 16:12 CST ON JUL 27	12.1 ON JUL 25	0.8458 ON FEB 11	141 000	1981
1982	85.1 AT 09:55 CST ON MAY 9	84.8A ON MAY 9	0.6428 ON FEB 28	261 000	1982
1983	---	14.3 ON JUL 9	0.9908 ON MAR 31	193 000	1983
1984	52.7R AT 19:05 CST ON JUN 1	49.5R ON JUN 1	0.468RR ON MAR 16	245 000R	1984
1985	---	106 E ON MAY 11 *	0.8308 ON FEB 3	366 000	1985
1986	55.0 AT 17:55 CST ON JUL 30	53.6 ON JUL 30	0.7838 ON JAN 6	282 000	1986
				295 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

DIXON DITCH NEAR MAPLE CREEK - STATION NO. 05HA041

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1924	---	---	---	0.075	0.055	---	---	---	---	---	---	---	---	1924
MEAN	---	---	---	0.075	0.055	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 59 28 N
LONG 109 30 53 W
REGULATED

DIXON DITCH NEAR MAPLE CREEK - STATION NO. 05HA041

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	---	0 ON AUG 18 *	---	1918
1919	---	---	0 ON MAY 28	---	1919
1924	---	---	0 ON APR 1	---	1924
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DOGHIDE RIVER BELOW TISDALE - STATION NO. 05KB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	3.29	0.427	---	---	---	---	---	---	---	---	1965
1966	---	---	---	10.6	2.17	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	5.64	---	---	---	---	---	---	---	---	1967
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.101	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	10.4	2.23	---	---	---	---	---	---	---	---	1974
1975	---	---	E	7.50	2.94	0.440	0.013	0.001	0.001	0.002	---	---	1.35	1975
1976	---	---	0.007	5.52	0.100	0.475	0.041	0	0	0.001	---	---	0.753	1976
MEAN	---	---	0.002	5.24	2.42	0.458	0.027	0.001	0.001	0.002	---	---	1.05	MEAN

LOCATION - LAT 53 52 23 N
LONG 104 02 17 W
DRAINAGE AREA, 396 km²
NATURAL FLOW

DOGHIDE RIVER BELOW TISDALE - STATION NO. 05KB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	15.4 ON APR 14	0E ON MAR 1 *	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1972	86.48 AT 09 00 CST ON APR 23 *	---	---	---	1972
1973	---	---	---	---	1973
1974	72.8 AT 00 30 CST ON APR 20	---	---	---	1974
1975	---	31.7 ON APR 29 *	0B ON MAR 1	28 500	1975
1976	---	25.9 ON APR 9	0B ON MAR 1	15 900	1976
				22 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOGHIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	1.30	0.965	0.123	0.001	0	0	0	---	---	0.297	1977
1978	---	---	0	8.72	0.539	0	0	0	0	0.003	---	---	1.14	1978
1979	---	---	0	11.7	5.91	1.11	0.281	0	0	0.007	---	---	2.35	1979
1980	---	---	0	5.29	0.189	0.003	0	0	0	0.001	---	---	0.672	1980
1981	---	---	0.299	0.399	0.008	0.001	0.010	0	0	0.017	---	---	0.091	1981
1982	---	---	0	4.59	0.248	0.133	0.008	0	0	0	---	---	0.810	1982
1983	---	---	0	3.28	0.568	0.151	0.068	0	0	0	---	---	0.501	1983
1984	---	---	0.066	2.86	1.07	2.77	0.072	0.002	0	0.026	---	---	0.845	1984
1985	---	---	0	13.9	0.553	0.068	0.002	0	0	0.013	---	---	1.78	1985
1986	---	---	0.337	4.68	0.262	0.025	0	0	0	0.005	---	---	0.851	1986
MEAN	---	---	0.068	5.67	1.03	0.438	0.044	0	0	0.007	---	---	0.894	MEAN

LOCATION - LAT 53 58 15 N
LONG 104 04 55 W
DRAINAGE AREA, 440 km²
NATURAL FLOW

DOGHIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1977	---	5.58 ON APR 11	0B ON MAR 1 *	8 280	1977
1978	31.9 AT 16 52 CST ON APR 19	30.6 ON APR 19	0B ON MAR 1	24 000	1978
1979	58.9 AT 11 34 CST ON APR 25	51.3 ON APR 25	0B ON MAR 1	69 700	1979
1980	30.3 AT 07 17 CST ON APR 16	27.2 ON APR 16	0B ON MAR 1	14 200	1980
1981	2.70B AT 18 30 CST ON APR 1	1.76B ON APR 1	0B ON MAR 1	1 930	1981
1982	---	24.5 B ON APR 17	0B ON MAR 1	12 900	1982
1983	21.9 AT 17 35 CST ON APR 22	19.0 B ON APR 22	0B ON MAR 1	10 600	1983
1984	17.9 AT 16 13 CST ON JUN 22	14.8 ON JUN 22	0B ON MAR 1	17 800	1984
1985	86.7 AT 18 21 CST ON APR 14 *	51.4 ON APR 15 *	0B ON MAR 1	37 700	1985
1986	13.3 B AT 08 12 CST ON APR 7	13.0 B ON APR 7	0B ON MAR 1	13 800	1986
				18 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOGHIDE RIVER NEAR TISDALE - STATION NO. 05KB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	---	---	---	---	---	---	0.194	0.145	0.033	---	1930
1931	0.039	0.037	0.116	1.98	---	---	---	---	---	---	---	---	---	1931
MEAN	0.039	0.037	0.116	1.98	---	---	---	---	---	0.194	0.145	0.033	---	MEAN

LOCATION - LAT 53 49 00 N
LONG 104 02 00 W
DRAINAGE AREA, 383 km²
NATURAL FLOW

DOGHIDE RIVER NEAR TISDALE - STATION NO. 05KB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	---	---	---	1930
1931	---	5.12 ON APR 9 *	---	---	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DORE RIVER NEAR THE MOUTH - STATION NO. 08AG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	8.15	5.88	3.28	2.07	2.18	0.740	0.921	---	1971
1972	0.743	1.01	2.84	3.81	13.9	6.05	5.13	2.45	4.95	6.55	5.20	1.25	4.48	1972
1973	2.51	4.79	5.20	7.31	9.67	8.07	9.32	5.06	7.28	7.57	7.75	5.57	6.68	1973
1974	5.94	5.97	4.56	5.25	16.5	14.6	8.46	5.78	7.31	8.28	8.79	8.80	8.35	1974
1975	8.30	7.11	6.48	7.35	15.8	21.7	12.1	11.7	8.74	8.47	7.86	6.89	10.2	1975
1976	3.95	4.89	6.11	7.71	9.75	8.86	7.34	3.08	2.04	2.29	1.51	1.06	4.86	1976
1977	---	---	---	---	---	---	---	---	---	1.56	---	---	---	1977
1978	0.776	0.838	---	---	---	---	1.89	1.81	2.27	2.49	1.84	1.21	---	1978
1979	1.40	1.44	1.48	4.16	9.37	7.72	4.74	2.24	3.53	3.20	2.54	1.79	3.84	1979
1980	0.976	1.38	1.88	3.91	5.04	2.08	1.49	4.01	11.8	6.29	3.37	2.22	3.88	1980
1981	1.43	1.42	2.22	6.51	8.30	5.54	2.48	1.53	0.975	0.960	0.982	0.850	2.80	1981
1982	0.807	0.570	0.593	2.38	7.98	5.87	2.38	1.94	1.26	2.77	1.85	0.933	2.44	1982
1983	1.02	1.18	1.14	2.83	6.50	5.06	4.04	1.48	2.07	1.80	1.34	0.707	2.42	1983
1984	0.578	0.862	0.978	3.52	10.0	6.78	2.08	0.986	0.899	1.15	0.736	0.608R	2.41R	1984
1985	0.471	0.516	0.788	5.23	9.09	8.93	2.38	1.25	1.58	1.83	0.729	0.406	2.76	1985
1986	0.414	0.424	0.985	2.93	7.99	6.07	7.00	6.87	2.58	2.18	1.43	1.25	3.37	1986
MEAN	2.11	2.29	2.70	4.82	10.0	8.25	5.18	3.56	3.94	3.71	3.09	2.30 R	4.47	MEAN

LOCATION - LAT 54 55 49 N LONG 107 44 37 W DRAINAGE AREA, 2 980 km^2 NATURAL FLOW R - REVISED SINCE JAN 1986

DORE RIVER NEAR THE MOUTH - STATION NO. 08AG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	19.9 AT 23:38 CST ON APR 28	19.7 ON APR 30	0.2278 ON DEC 23 *	142 000	1972
1973	---	18.6 B ON APR 19	1.57 B ON JAN 4	211 000	1973
1974	20.3 AT 20:39 CST ON MAY 28	20.2 ON MAY 29	4.25 B ON MAR 27	264 000	1974
1975	---	25.2 E ON JUN 7 *	5.31 B ON MAR 18	322 000	1975
1976	15.0 AT 04:45 CST ON JUL 15	14.7 ON JUL 15	0.5958 ON DEC 25	154 000	1976
1977	---	---	---	---	1977
1978	---	---	0.6208 ON FEB 4	---	1978
1979	16.5 B AT 03:45 CST ON MAY 2	13.4 B ON MAY 1	1.11 B ON JAN 26	115 000	1979
1980	15.1 AT 02:56 CST ON SEP 18	15.0 ON SEP 18	0.6908 ON JAN 11	115 000	1980
1981	9.30 AT 16:28 CST ON MAY 2	9.24 ON MAY 1	0.8458 ON DEC 28	88 400	1981
1982	---	8.56 ON MAY 6	0.5298 ON FEB 18	77 000	1982
1983	8.71 AT 15:12 CST ON JUN 29	8.46 ON JUN 29	0.4568 ON DEC 26	76 300	1983
1984	21.9 AT 00:11 CST ON MAY 23 *	21.6 ON MAY 22	0.5108 ON JAN 11	78 400R	1984
1985	15.6 AT 00:23 CST ON JUN 10	16.2 ON JUN 10	0.2368 ON NOV 25	86 800	1985
1986	15.8 AT 12:28 CST ON AUG 1	15.6 ON AUG 1	0.3188 ON JAN 2	108 000	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		141 000R	MEAN

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	8.82	10.4	7.02	6.94	---	1975
1976	7.71	8.66	8.85	14.5	11.6	9.37	7.65	5.26	7.15	9.45	7.36	6.68	9.02	1976
1977	5.59	5.57	5.04	12.0	12.5	12.1	13.2	11.8	13.3	10.5	7.11	8.44	9.81	1977
1978	5.70	5.72	5.97	8.25	20.7	11.7	7.89	9.19	17.0	18.9	10.1	7.02	10.6	1978
1979	4.76	3.29	3.00	4.11	16.7	10.4	7.95	7.41	7.10	7.78	5.78	5.20	6.89	1979
1980	4.86	4.61	4.72	7.82	7.02	5.86	5.41	5.86	7.13	7.29	4.95	3.83	5.80	1980
1981	4.33	4.35	5.17	7.28	18.5	11.7	10.4	8.36	6.75	7.06	6.46	5.09	7.88	1981
1982	4.22	3.87	4.15	6.19	23.4	9.85	7.07	6.44	9.64	8.65	6.80	6.54	8.27	1982
1983	6.56	6.19	5.36	9.21	13.1	11.3	8.11	7.34	7.87	8.18	6.67	6.11	8.02	1983
1984	6.11	5.81	6.00	9.32	7.54	7.83	9.75	11.4	13.0	12.7	12.7	11.0	9.42	1984
1985	10.6	11.1	8.35	9.73	30.7	16.5	12.8	9.82	13.9	13.6	12.8	10.8	13.4	1985
1986	10.1	9.87	9.63	10.7	17.7	11.3	18.3	14.3	12.0	10.5	8.29	8.00	11.7	1986
MEAN	6.41	6.28	6.02	8.84	16.3	10.7	9.88	9.40	10.3	10.4	8.00	6.98	9.16	MEAN

LOCATION - LAT 58 19 20 N LONG 109 47 10 W DRAINAGE AREA, 1 890 km^2 NATURAL FLOW

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	22.9 AT 17:00 CST ON APR 19	22.8 ON APR 19	5.83 ON JUL 20	285 000	1976
1977	---	23.3 ON APR 28	4.649 ON MAR 10	203 000	1977
1978	33.4 AT 15:15 CST ON MAY 7	33.1 ON MAY 7	4.84 ON APR 11	333 000	1978
1979	27.9 AT 19:31 CST ON MAY 19	27.7 ON MAY 19	3.008 ON FEB 26 *	220 000	1979
1980	---	11.88 ON APR 21	3.878 ON DEC 11	183 000	1980
1981	---	23.0E ON MAY 5	3.908 ON FEB 14	252 000	1981
1982	---	30.8E ON MAY 7	3.808 ON FEB 24	261 000	1982
1983	18.9 AT 23:54 CST ON APR 28	18.7 ON APR 28	4.76 ON APR 3	253 000	1983
1984	18.2 AT 22:20 CST ON OCT 24	18.1 ON OCT 24	5.17 ON FEB 25	298 000	1984
1985	47.9 AT 20:10 CST ON MAY 8 *	47.6 ON MAY 8 *	5.20 ON APR 9	424 000	1985
1986	22.2 AT 12:48 CST ON JUL 13	22.2 ON JUL 13	5.76 ON APR 5	370 000	1986
				289 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DOWNIE CREEK BELOW DOWNIE LAKE - STATION NO. 05HA073

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	0.021	0.588	0.708	0.217	0.374	---	---	---	1955
1956	---	---	0.028	0.033	0.104	0.895	0.274	0.005	0.002	0.005	---	---	0.187	1956
1957	---	---	0.042	0.055	0.769	0.236	0.975	0.244	0.009	0.031	---	---	0.297	1957
1958	---	---	0.078	0.025	0.858	0.083	1.00	0.142	0.001	0.003	---	---	0.280	1958
1959	---	---	0.127	0.029	0.598	0.342	0.889	0.896	0.002	0	---	---	0.310	1959
1960	---	---	0.081	0.043	0.812	0.087	1.24	0.078	0	0.067	---	---	0.302	1960
1961	---	---	0.010	0.003	0.800	0.014	0	0.079	0	0	---	---	0.089	1961
1962	---	---	0.037	0.010	0.024	0.359	0.712	0.024	0.179	0.008	---	---	0.169	1962
1963	---	---	0.061	0.017	1.11	0.418	0.056	0	0	0.019	0.184	---	0.211	1963
1964	---	---	0.001	0.049	0.035	0.047	1.37	0.351	0	0.001	---	---	0.234	1964
1965	---	---	0	0.327	0.872	0.881	0.830	0.537	0.013	0.012	---	---	0.435	1965
1966	---	---	0.026	0.412	1.89	0.086	1.08	0.513	0	0.010	---	---	0.480	1966
1967	---	---	0.045	0.452	2.88	0.806	0.708	0.276	0.005	0.006	---	---	0.525	1967
1968	---	---	0.035	0.181	0.989	0.047	0.780	0.092	0.009	0.012	---	---	0.267	1968
1969	---	---	0.094	0.034	1.10	0.041	1.09	0.053	0	0	---	---	0.305	1969
1970	---	---	0.017	0.073	1.16	0.256	0.517	0.287	0	0.020	---	---	0.284	1970
1971	---	0.015	0.028	0.406	0.535	0.059	1.05	0.152	0.058	0.001	---	---	0.287	1971
1972	---	---	0.084	0.283	0.818	0	0.940	0.082	0	0.002	---	---	0.278	1972
1973	---	---	0.015	0.013	0.401	0.132	---	---	---	---	---	---	---	1973
MEAN	---	0.015	0.044	0.135	0.856	0.232	0.767	0.283	0.028	0.032	0.184	---	0.298	MEAN

LOCATION - LAT 49 46 28 N DRAINAGE AREA, 155 km^2
LONG 109 39 10 W REGULATED

DOWNIE CREEK BELOW DOWNIE LAKE - STATION NO. 05HA073

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	---	---	---	1955
1956	---	1.61 ON JUN 3	0.08 ON MAR 1 *	3 530	1956
1957	---	1.81 ON MAY 24	0.08 ON MAR 7	6 290	1957
1958	---	1.73 ON MAY 23	0.08 ON APR 4	5 920	1958
1959	---	2.10 ON JUL 28	0.08 ON MAR 9	6 560	1959
1960	---	1.98 ON JUL 13	0.08 ON MAR 1	6 380	1960
1961	---	1.06 ON MAY 11	0.08 ON MAR 1	1 890	1961
1962	---	9.97 ON JUN 14	0.08 ON MAR 1	3 580	1962
1963	---	1.82 ON JUN 3	0 ON MAR 15	4 450	1963
1964	---	2.37 ON JUL 11	0 ON MAR 1	4 950	1964
1965	---	6.94 ON JUN 26	0.08 ON MAR 1	9 210	1965
1966	---	2.76 ON MAY 23	0.08 ON MAR 1	10 200	1966
1967	---	13.9 ON MAY 8 *	0.08 ON MAR 8	13 200	1967
1968	---	1.77 ON MAY 2	0 ON AUG 14	5 850	1968
1969	---	1.63 ON MAY 7	0.08 ON MAR 1	6 480	1969
1970	---	2.82 ON MAY 1	0.08 ON MAR 1	6 220	1970
1971	---	1.41 ON JUL 15	0.08 ON MAR 1	6 070	1971
1972	---	1.54 ON JUL 17	0.08 ON MAR 1	5 890	1972
1973	---	---	0.08 ON MAR 7	---	1973
				6 280	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOWNIE LAKE INFLOW CANAL - STATION NO. 05HA070

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.482	0.312	0.008	0	0	0	0	0	---	---	0.086	1944
1945	---	---	0.531	0.041	0.008	0.001	0	0	0	0	---	---	0.073	1945
1946	---	---	1.15	0.223	0.027	0	0	0	0	0	---	---	0.176	1946
1947	---	---	---	1.25	0.050	0.035	0	0	0	0	---	---	---	1947
1948	---	---	1.32	1.97	0.081	0	0	0	0	0	---	---	0.416	1948
1949	---	---	0.111	0.269	0.001	0	0	0	0	0	---	---	0.047	1949
1950	---	---	0.028	1.29	0.089	0	0.051	0.038	0	0	---	---	0.184	1950
1951	---	---	0.193	1.98	0.033	0.045	0.001	0.238	0.044	0.006	---	---	0.313	1951
1952	---	---	0	0	0	0	0	0	0	0	---	---	0	1952
1953	---	---	0.510	0.986	0	0	0	0	0	0	---	---	0.198	1953
1954	---	0.117	0.041	1.28	0.087	0.032	0.001	0.002	0.073	0.003	---	---	0.188	1954
1955	---	---	0.327	1.20	0.058	0.002	0.047	0	0	0	---	---	0.213	1955
1956	---	---	0.196	0.636	0.258	0.001	0	0	0	0	---	---	0.135	1956
1957	---	---	0.135	1.21	0.111	0	0	0	0	0	---	---	0.180	1957
1958	---	---	0.332	1.30	0.024	0	0	0	0	0	---	---	0.204	1958
1959	---	---	1.00	0.809	0.074	0.218	0.013	0	0	0	---	---	0.263	1959
1960	---	---	1.40	0.417	0	0	0	0	0	0	---	---	0.228	1960
1961	---	---	0.076	0.020	0.042	0	0	0	0	0	---	---	0.017	1961
1962	---	---	0.256	0.161	0	0.204	0	0	0	0	---	---	0.077	1962
1963	---	0.804	0.598	0.085	0.013	0.012	0.034	0	0	0	---	---	0.094	1963
1964	---	---	0.041	0.277	0.444	0.326	0	0	0	0	---	---	0.135	1964
1965	---	---	0	2.30	0	0.273	0.070	0	0	0	---	---	0.324	1965
1966	---	---	1.15	0.205	0.044	0.081	0	0	0	0	---	---	0.186	1966
1967	---	---	0.881	0.949	0	0	0	0	0.006	0	---	---	0.230	1967
1968	---	---	0.675	0.128	0.002	0	0	0	0	0	---	---	0.101	1968
1969	---	---	0.993	1.33	0.095	0.001	0	0	0	0	---	---	0.300	1969
1970	---	---	0.085	2.38	0.070	0.208	0	0	0	0	---	---	0.336	1970
1971	---	0.185	0.256	1.45	0.001	0	0	0	0	0	---	---	0.215	1971
1972	---	---	1.02	0.028	0.088	0.002	0	0	0	0	---	---	0.144	1972
1973	---	---	0.260	0.313	0.143	0	0	0	0	0	---	---	0.089	1973
1974	---	---	0.303	0.472	0.977	0.047	0	0	0	0	---	---	0.225	1974
1975	---	---	0	1.58	0.514	0.142	0	0	0	0	---	---	0.276	1975
1976	0.138	0	0.817	0.232	0.006	0.044	0	0	0	0	---	---	0.138	1976
1977	---	---	0.006	0.288	0.019	0	0	0	0	0	---	---	0.040	1977
1978	---	---	0.636	0.925	0.236	0.056	0	0	0	0	---	---	0.243	1978
1979	---	---	1.40	0.755	0.141	0.008	0	0	0	0	---	---	0.288	1979
1980	---	---	0.178	0.386	0	0	0	0	0	0	---	---	0.067	1980
1981	---	0.186	0.070	0.055	0.077	0.456	0	0	0	0	---	---	0.081	1981
1982	---	0.033	0.075	1.18	0.247	1.70	0	0	0	0	---	---	0.394	1982
1983	---	---	0.465	0.189	0.781	0.001	0	0	0	0	---	---	0.181	1983
1984	---	---	0.080	0.230	0.072	0	0	0	0	0	---	---	0.047	1984
1985	---	---	0.185	1.22	0.111	0.003	0	0	0	0	---	---	0.187	1985
1986	0.186	0.749	0.268	0.048	0.784	0.006	0	0	0.282	0.006	---	---	0.188	1986
MEAN	0.152	0.285	0.447	0.755	0.138	0.091	0.005	0.005	0.012	0	---	---	0.179	MEAN

LOCATION - LAT 49 46 08 N
LONG 109 39 10 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1953

DOWNIE LAKE INFLOW CANAL - STATION NO 05HA070

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.69 ON MAR 31	0 ON MAR 1 *	2 070	1944
1945	---	1.30 B ON MAR 12	0 ON MAR 1	1 550	1945
1946	---	2.80 ON MAR 27	0 ON MAY 10	3 730	1946
1947	---	3.34 B ON MAR 21	0 ON MAY 31	---	1947
1948	---	5.24 ON APR 16	0 ON MAR 1	8 670	1948
1949	---	0.827 ON MAR 27	0 ON MAR 1	994	1949
1950	---	5.52 ON APR 15	0B ON MAR 1	3 900	1950
1951	---	5.30 B ON APR 4	0B ON MAR 1	6 630	1951
1952	---	0 ON MAR 1	0 ON MAR 1	0	1952
1953	---	5.61 ON APR 22	0B ON MAR 1	4 180	1953
1954	---	3.40 ON APR 13	0B ON MAR 1	3 980	1954
1955	---	5.15 B ON APR 2	0B ON MAR 1	4 520	1955
1956	---	2.15 B ON APR 14	0B ON MAR 1	2 870	1956
1957	---	3.54 ON APR 17	0B ON MAR 28	3 810	1957
1958	---	8.37 B ON APR 1	0B ON MAR 7	4 320	1958
1959	---	4.36 ON MAR 27	0 ON MAY 17	5 580	1959
1960	---	8.77 ON MAR 20	0B ON MAR 1	4 830	1960
1961	---	0.620 ON MAR 17	0 ON MAR 1	389	1961
1962	---	4.59 ON JUN 14	0B ON MAR 1	1 630	1962
1963	---	2.81 ON MAR 23	0 ON APR 10	1 980	1963
1964	---	4.67 ON MAY 4	0 ON MAR 1	2 860	1964
1965	---	6.80 ON APR 14	0B ON MAR 1	6 870	1965
1966	---	4.45 B ON MAR 31	0B ON MAR 1	3 830	1966
1967	---	7.70 ON APR 11	0B ON MAR 6	4 870	1967
1968	---	1.81 B ON MAR 6	0 ON APR 28	2 150	1968
1969	---	9.17 ON MAR 18	0 ON MAR 1	6 380	1969
1970	---	10.5 ON APR 7 *	0B ON MAR 1	7 120	1970
1971	---	5.85 ON APR 7	0 ON MAY 6	4 540	1971
1972	---	5.61 B ON MAR 17	0B ON MAR 1	3 050	1972
1973	---	2.55 ON APR 28	0 ON APR 6	1 890	1973
1974	5.85 AT 10:49 CST ON MAY 24	5.38 ON MAY 24	0B ON MAR 1	4 770	1974
1975	9.91 B AT 10:09 CST ON APR 27	8.30 B ON APR 27	0B ON MAR 1	5 850	1975
1976	8.52 B AT 08:09 CST ON MAR 19	5.66 B ON MAR 19	0B ON MAR 1	2 820	1976
1977	---	2.28 ON APR 7	0B ON MAR 1	841	1977
1978	---	3.94 ON MAR 31	0B ON MAR 1	5 140	1978
1979	---	7.47 B ON APR 10	0B ON MAR 1	6 110	1979
1980	3.06 AT 12:06 CST ON APR 6	2.42 ON APR 6	0B ON MAR 1	1 420	1980
1981	7.27 AT 22:32 CST ON JUN 14	4.64 ON JUN 15	0 ON JUN 1	1 720	1981
1982	8.24 AT 04:42 CST ON JUN 1	7.92 ON JUN 3	0B ON MAR 28	8 350	1982
1983	---	5.20 ON MAY 18	0 ON APR 27	3 830	1983
1984	0.867 AT 12:20 CST ON APR 10	0.834 ON APR 10	0B ON MAR 1	1 000	1984
1985	8.92 AT 09:44 CST ON APR 2	7.84 ON APR 2	0B ON MAR 1	3 950	1985
1986	13.5 AT 18:01 CST ON SEP 25 *	6.05 ON SEP 25	0 ON JUN 22	3 970	1986
				3 790	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOWNIE LAKE OUTFLOW CANAL - STATION NO. 05HA071

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	---	---	---	---	---	---	---	---	---	---	---	1945
1946	---	---	---	---	---	---	---	---	---	---	---	---	---	1946
1947	---	---	---	---	---	---	---	---	---	---	---	---	---	1947
1950	---	---	0.011	0.028	0.010	0.728	0.550	0.055	0.022	0.001	---	---	0.175	1950
1951	---	---	0	0.058	0.124	0.103	0.478	0.518	0.008	0.008	---	---	0.183	1951
1952	---	---	0	0	0	0.188	0.620	0.309	0.024	0	---	---	0.141	1952
1953	---	---	0	0	0	0.075	0.980	0.280	0	0	---	---	0.189	1953
1954	---	---	0	0	0	0	0.944	0.058	0.011	0	---	---	0.128	1954
1955	---	---	---	---	---	---	---	---	---	---	---	---	---	1955
MEAN	---	---	0.002	0.017	0.027	0.215	0.714	0.244	0.013	0.001	--	---	0.155	MEAN

LOCATION - LAT 49 46 58 N
LONG 109 40 47 W REGULATED

DOWNIE LAKE OUTFLOW CANAL - STATION NO. 05HA071

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	0 ON MAR 16 *	---	1945
1946	---	---	0R ON MAR 14	---	1946
1947	---	---	0 ON AUG 4	---	1947
1950	---	1.76 ON JUN 16	0 ON MAR 1	3 700	1950
1951	---	2.80 ON JUL 26 *	0B ON MAR 1	3 440	1951
1952	---	2.35 ON JUN 19	0 ON MAR 1	2 890	1952
1953	---	2.41 ON JUL 17	0 ON MAR 1	3 570	1953
1954	---	1.50 ON JUL 16	0 ON MAR 1	2 710	1954
1955	---	---	0R ON MAR 11	---	1955
				3 280	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	0.463	0.525	0.675	0.629	0.121	0.046	0.478	0.945	0.800	0.334	0.232	0.867	0.510	1976
1978	0.293	0.107	0.158	0.331	0.171	0.338	0.477	0.193	0.035	0.002	0	0	0.176	1978
1979	0.038	0.034	0.045	0.059	0.417	0.158	0.216	0.087	0	0	0.023	0.517	0.135	1979
1980	0.399	0.623	0.463	0.287	0.254	12.9	5.39	7.19	5.25	3.73	0.222	1.04	3.14	1980
1981	0.780	0.478	0.572	0.920	0.598	0.812	0.338	11.3	7.83	3.62	1.14	0.437	2.41	1981
1982	0.337	0.365	0.385	0.354	5.21	4.06	8.50	5.98	0.345	0.203	0.263	1.68	2.42	1982
1983	2.76	1.63	0.670	0.787	0.481	0.043	0	0	0	0	0.447	0.828	0.615	1983
1984	0.661	0.605	0.656	0.780	1.19	0.988	0.431	0.271	0.453	0.639	0.595	0.674	0.682	1984
1985	0.194	0.347	0.939	1.31	1.41	0.303	0.370	0.043	0.190	0.314	0.234	0.883	0.528	1985
1986	0.771	0.594	0.515	1.07	1.35	1.55	11.7	3.28	6.58	5.93	0.759	0.861	2.85	1986
MEAN	0.670	0.531	0.508	0.653	1.12	2.12	2.79	3.03	2.15	1.48	0.392	0.747	1.35	MEAN

LOCATION - LAT 53 50 00 N
LONG 102 56 25 W REGULATED

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	1.28 ON AUG 11	0.002 ON JUN 22	16 100	1976
1978	---	0.623B ON APR 6	0 B ON FEB 18 *	5 550	1978
1979	---	0.844B ON DEC 21	0 A ON AUG 27	4 250	1979
1980	20.7 AT 04:33 CST ON JUN 7	20.3 ON JUN 7	0.002 ON NOV 5	99 200	1980
1981	22.2 AT 03:22 CST ON AUG 27	18.3 ON AUG 28	0.048 ON MAY 8	76 200	1981
1982	22.0 AT 01:08 CST ON JUL 25	21.0 ON JUL 24	0.035 ON OCT 4	76 300	1982
1983	4.29B AT 04:36 CST ON FEB 4	3.85 B ON JAN 27	0 ON JUN 9	19 400	1983
1984	3.22 AT 16.29 CST ON JUL 4	2.10 ON JUN 29	0.015 ON SEP 26	20 900	1984
1985	2.95 AT 10:54 CST ON JUL 4	2.16 ON APR 22	0 ON SEP 8	16 700	1985
1986	28.8 AT 06:13 CST ON JUL 22 *	28.5 ON JUL 22 *	0.095B ON MAR 9	92 900	1986
				42 800	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

DUCK CREEK NEAR KELVINGTON - STATION NO. 05LA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.042	1.05	---	---	---	---	---	---	---	---	1967
1968	---	---	0.379	0.139	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	1.93	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.60	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.19	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	4.16	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.174	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	3.93	1.58	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.73	1.51	0.068	0.007	0	0	0	---	---	0.535	1975
1976	---	---	0	2.74	0.348	0.055	0.020	0	0	0	---	---	0.388	1976
1977	---	---	0	0.585	0.011	0.002	r	0	0	0	---	---	0.071	1977
1978	---	---	0	1.35	0.120	0.022	0.130	0.017	0.008	0.008	---	---	0.203	1978
1979	---	---	0	4.50	2.41	0.071	0	0	0	0	---	---	0.885	1979
1980	---	---	0	1.01	0.001	0	0	0	0	0	---	---	0.123	1980
1981	---	---	0.358	0.688	0.037	0	0.521	0.039	0	0.037	---	---	0.207	1981
1982	---	---	0	0.802	0.033	0.002	0.003	0	0	0	---	---	0.079	1982
1983	---	---	0	1.42	0.380	0.005	0.318	0.172	0.004	0.001	---	---	0.285	1983
1984	---	---	0.281	1.82	0.119	0.029	0	0	0	0	---	---	0.277	1984
1985	---	---	0	3.90	0.119	0.006	0	0	0	0	---	---	0.494	1985
1986	---	---	0.375	1.66	0.043	0.002	0	0	0	0	---	---	0.281	1986
MEAN	---	---	0.107	1.87	0.554	0.022	0.083	0.018	0.001	0.004	---	---	0.317	MEAN

LOCATION - LAT 52 08 40 N DRAINAGE AREA, 210 km^2
LONG 103 37 34 W NATURAL FLOW

DUCK CREEK NEAR KELVINGTON - STATION NO 05LA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	8.33 ON APR 25	0B ON MAR 1 *	11 300	1975
1976	---	5.23 ON APR 11	0B ON MAR 1	8 220	1976
1977	---	2.70 ON APR 11	0B ON MAR 1	1 490	1977
1978	5.01 AT 11:47 CST ON APR 12	3.88 ON APR 11	0B ON MAR 1	4 300	1978
1979	19.0 AT 23:20 CST ON APR 24 *	18.2 ON APR 27 *	0B ON MAR 1	18 400	1979
1980	4.828 AT 07:30 CST ON APR 10	3.47 ON APR 13	0B ON MAR 1	2 610	1980
1981	8.17 AT 10:04 CST ON JUL 17	5.30 ON JUL 17	0B ON MAR 1	4 390	1981
1982	3.17 AT 08:36 CST ON APR 15	2.598 ON APR 15	0B ON MAR 1	1 880	1982
1983	9.28 AT 19:56 CST ON APR 21	7.15 ON APR 22	0B ON MAR 1	6 030	1983
1984	6.50 AT 10:00 CST ON APR 2	5.66 ON APR 2	0B ON MAR 1	5 850	1984
1985	13.1 AT 09:51 CST ON APR 12	11.9 ON APR 12	0B ON MAR 1	10 400	1985
1986	6.638 AT 01:10 CST ON APR 2	7.028 ON APR 1	0B ON MAR 1	5 940	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 720	MEAN

EAGLE CREEK NEAR ANGLIA - STATION NO 05GC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	---	0.018	0.028	---	---	---	1923
1924	---	---	0.003	0.462	0.139	0.050	0.011	0.048	0.018	0.051	---	---	0.097	1924
1925	---	---	2.39	2.38	0.105	0.143	0.080	0.016	0.025	0.036	---	---	0.838	1925
1971	---	---	0.021	9.03	4.46	1.87	0.949	0.324	0.030	0.088	---	---	2.09	1971
1972	---	---	0.521	1.57	0.487	0.088	0.041	0.019	0.021	0.045	---	---	0.344	1972
1973	---	---	0.783	0.320	0.152	0.029	0.014	0.005	0.006	0.012	---	---	0.187	1973
1974	---	---	0	8.10	1.94	0.853	0.312	0.081	0.381	0.055	---	---	1.53	1974
1975	---	---	0	8.85	2.20	0.605	0.106	0.026	0.021	0.015	---	---	1.43	1975
1976	---	---	0.895	3.70	0.198	0.129	0.063	0.010	0.012	0.018	---	---	0.535	1976
1977	---	---	0.037	0.123	0.187	0.012	0.001	0.001	0.004	0.009	---	---	0.047	1977
1978	---	---	0.278	2.73	0.256	0.030	0.006	0.002	0.006	0.011	---	---	0.409	1978
1979	---	---	0.448	1.78	0.157	0.007	0.004	0.002	0	0.005	---	---	0.288	1979
1980	---	---	0.334	0.282	0.009	0.002	0.005	0.006	0.001	0.007	---	---	0.082	1980
1981	---	0.509	0.435	0.084	0.006	0.009	0.004	0.001	0	0.001	---	---	0.058	1981
1982	---	---	0	1.10	0.095	0.106	1.03	0.810	0.023	0.027	---	---	0.374	1982
1983	---	---	1.80	1.84	0.147	0.080	1.48	0.036	0.014	0.025	---	---	0.676	1983
1984	---	---	0.876	0.189	0.034	0.010	0.001	0	0.002	0.006	---	---	0.141	1984
1985	---	---	0.138	8.28	0.278	0.016	0.003	0.002	0.002	0.015	---	---	1.07	1985
1986	---	---	0.618	0.235	0.184	0.021	0.204	0.029	0.014	0.035	---	---	0.188	1986
MEAN	---	0.509	0.521	2.83	0.811	0.238	0.272	0.067	0.031	0.026	---	---	0.568	MEAN

LOCATION - LAT 51 33 43 N LONG 108 10 58 W
DRAINAGE AREA, 5 730 km^2
REGULATED

EAGLE CREEK NEAR ANGLIA - STATION NO 05GC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	2.44 ON APR 8	0 B ON MAR 1 *	2 050	1924
1925	---	18.5 ON MAR 31	0 ON MAR 1	13 500	1925
1971	28.3 AT 03:00 CST ON APR 11	25.8 ON APR 11	0 0.188 ON MAR 1	44 200	1971
1972	4.478 AT 19:00 CST ON APR 7	3.48 B ON APR 7	0 B ON MAR 1	7 280	1972
1973	---	2.25 B ON MAR 19	0 B ON MAR 1	3 540	1973
1974	50.7 AT 22:44 CST ON APR 19 *	45.3 ON APR 20 *	0 B ON MAR 1	32 400	1974
1975	47.3 AT 19:28 CST ON APR 20	42.8 A ON APR 21	0 B ON MAR 1	30 300	1975
1976	---	15.1 B ON APR 1	0 B ON MAR 1	12 600	1976
1977	1.188 AT 07:37 CST ON APR 10	0.816 ON MAY 21	0 B ON MAR 1	991	1977
1978	15.0 B AT 12:22 CST ON APR 1	14.3 B ON APR 1	0 B ON MAR 1	8 650	1978
1979	10.1 AT 07:07 CST ON APR 20	8.85 ON APR 20	0 B ON MAR 1	8 310	1979
1980	4.048 AT 00:05 CST ON MAR 30	3.28 B ON MAR 30	0 B ON MAR 1	1 730	1980
1981	---	1.14 ON MAR 14	0 ON AUG 21	1 440	1981
1982	8.458 AT 05:18 CST ON APR 15	5.78 B ON APR 15	0 B ON MAR 1	7 810	1982
1983	16.2 B AT 16:53 CST ON MAR 30	14.8 B ON MAR 30	0 B ON MAR 4	14 300	1983
1984	2.888 AT 08:45 CST ON MAR 24	2.42 B ON MAR 24	0 ON JUL 19	2 980	1984
1985	38.1 AT 04:14 CST ON APR 6	32.2 ON APR 6	0 B ON MAR 1	22 700	1985
1986	2.318 AT 08:49 CST ON MAR 31	2.12 B ON MAR 31	0.001 ON SEP 2	3 520	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 000	MEAN

EAGLE CREEK NEAR ENVIRON - STATION NO. 05GC006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	---	0.009	0.061	0.015	0.034	---	---	---	1962
1963	---	---	0.235	2.01	0.533	0.192	0.193	0.028	0.019	0.020	---	---	0.389	1963
1964	---	---	0.125	0.914	0.389	0.066	0.013	0.007	0.017	0.028	---	---	0.193	1964
1965	---	---	0	18.9	7.23	0.699	0.375	0.111	0.077	0.063	---	---	3.39	1965
1966	---	---	0.103	9.91	0.717	0.720	0.265	0.115	0.090	0.077	---	---	1.47	1966
1967	---	---	0	0.028	7.21	0.450	0.093	0.043	0.071	0.058	---	---	1.00	1967
1968	---	---	1.46	1.13	0.316	0.289	0.043	0.033	0.114	0.124	---	---	0.437	1968
1969	---	---	0.004	27.8	3.75	0.634	0.259	0.105	0.155	0.271	---	---	4.06	1969
1970	---	---	0.014	33.5	6.95	1.19	3.67	1.91	1.03	0.814	---	---	6.07	1970
1971	---	---	0.046	10.7	5.72	2.66	1.36	0.476	0.140	0.115	---	---	2.63	1971
1972	---	---	0.382	3.10	0.896	0.341	0.068	0.074	0.067	0.046	---	---	0.615	1972
1973	---	---	0.304	1.39	0.673	0.202	0.192	0.035	0.033	0.002	---	---	0.352	1973
1974	---	---	0.085	6.86	7.62	1.54	1.54	0.615	0.438	0.203	---	---	2.36	1974
1975	---	---	0.097	5.37	7.38	1.22	0.484	0.159	0.039	0.091	---	---	1.85	1975
1976	---	---	0.071	8.25	0.853	0.402	0.248	0.074	0.123	0.033	---	---	1.24	1976
1977	---	---	0.101	0.475	0.685	0.209	0.017	0.006	0.010	0.016	---	---	0.189	1977
1978	---	---	0.136	4.08	0.869	0.111	0.008	0.004	0.010	0.012	---	---	0.646	1978
1979	---	---	0.089	6.80	1.19	0.292	0.058	0.056	0.057	0.020	---	---	1.03	1979
1980	---	---	0.063	2.34	0.198	0.026	0.007	0.003	0.005	0.015	---	---	0.327	1980
1981	---	0.011	1.05	0.634	0.057	0.016	0.014	0.010	0.010	0.024	---	---	0.227	1981
1982	---	---	0.069	1.95	0.717	0.326	0.084	0.253	0.159	0.068	---	---	0.451	1982
1983	---	---	0.216	6.41	1.07	0.181	1.62	0.349	0.095	0.041	---	---	1.24	1983
1984	---	---	0.148	1.27	0.327	0.111	0.015	0.003	0.167	0.026	---	---	0.255	1984
1985	---	---	0.187	16.6	2.38	0.370	0.058	0.006	0.018	0.014	---	---	2.42	1985
1986	---	---	0.722	0.980	0.378	0.438	0.375	0.136	0.045	0.032	---	---	0.385	1986
MEAN	---	0.011	0.238	7.13	2.42	0.529	0.443	0.185	0.120	0.090	---	---	1.38	MEAN

LOCATION - LAT 52 13 50 N DRAINAGE AREA, 11 900 km²
LONG 107 22 40 W REGULATED

EAGLE CREEK NEAR ENVIRON - STATION NO. 05GC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	0 ON JUL 29 *	---	1962
1963	---	5.38B ON APR 8	0 B ON MAR 1	8 450	1963
1964	---	1.48B ON APR 18	0 B ON MAR 1	4 090	1964
1965	82.6 B ON APR 19	77.0 B ON APR 19	0 B ON MAR 1	71 800	1965
1966	44.2 ON APR 7	37.9 ON APR 7	0 B ON MAR 1	31 200	1966
1967	---	18.5 ON MAY 7	0 B ON MAR 1	21 200	1967
1968	---	4.53B ON MAR 15	0.015A ON JUL 18	9 270	1968
1969	134 AT 20 10 CST ON APR 16	120 ON APR 17	0 B ON MAR 1	85 900	1969
1970	148 AT 14 08 CST ON APR 15 *	136 ON APR 15 *	0.014B ON MAR 1	128 000	1970
1971	71.4 AT 07 20 CST ON APR 16	36.8 ON APR 18	0.028B ON MAR 1	55 600	1971
1972	---	6.60B ON APR 9	0.007B ON MAR 1	13 000	1972
1973	3.68B AT 02 58 CST ON APR 2	2.83B ON APR 2	0 ON AUG 20	7 450	1973
1974	43.9 AT 00 34 CST ON APR 28	42.8 B ON APR 27	0.012 ON SEP 26	49 800	1974
1975	42.2 AT 15 21 CST ON APR 28	41.3 ON APR 29	0.014 ON SEP 11	39 200	1975
1976	31.4 B AT 06 24 CST ON APR 9	27.0 B ON APR 9	0.014 ON AUG 22	26 200	1976
1977	1.51 AT 00 16 CST ON APR 13	1.30 ON MAY 24	0.004 ON JUL 29	4 010	1977
1978	15.1 B AT 08 50 CST ON APR 10	13.9 B ON APR 10	0.001 ON AUG 12	13 700	1978
1979	24.8 B AT 05 54 CST ON APR 23	19.7 B ON APR 23	0.001 ON AUG 27	21 800	1979
1980	8.07B AT 07 55 CST ON APR 4	6.77B ON APR 4	0.001B ON MAR 1	5 920	1980
1981	3.15B AT 13 26 CST ON MAR 21	2.14B ON MAR 18	0.001 ON MAY 12	4 790	1981
1982	7.87 AT 18 16 CST ON APR 25	7.60 ON APR 25	0.012 ON JUL 12	9 540	1982
1983	26.2 B AT 18 55 CST ON APR 7	22.8 B ON APR 8	0.013 ON OCT 27	26 100	1983
1984	5.76B AT 23 45 CST ON APR 3	4.65B ON APR 4	0 ON OCT 11	5 390	1984
1985	54.9 B AT 09 58 CST ON APR 9	43.5 B ON APR 9	0.001 ON AUG 7	51 200	1985
1986	3.38B AT 11 53 CST ON APR 8	2.24B ON APR 8	0.016 ON SEP 11	8 140	1986
				29 300	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

EAGLE CREEK NEAR KINLEY - STATION NO. 05GC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	9.84	1.16	0.423	0.123	0.047	0.201	0.235	---	---	---	1921
1935	---	---	---	---	---	---	---	---	---	0.077	0.009	0.003	---	1935
1936	0.003	0.004	1.45	11.5	1.13	0.222	0.023	0	0	0.005	0.003	0.001	1.18	1936
1937	0	0	0	0.775	0.223	0.037	0	0	0	0	0	0	0.086	1937
1938	0	0.002	0.778	2.05	0.300	0.047	0.014	0	0.015	0.054	0.008	0.003	0.272	1938
1939	0.003	0.003	1.12	7.16	0.315	0.462	3.16	0.089	0.026	0.024	0.001	0	1.03	1939
1940	0	0	0	1.08	0.450	0.089	0.019	0	0	0	0	0	0.135	1940
MEAN	0.001	0.002	0.558	5.40	0.596	0.213	0.557	0.024	0.040	0.056	0.004	0.001	0.541	MEAN

LOCATION - LAT 52 03 22 N DRAINAGE AREA, 7 230 km²
LONG 107 21 30 W REGULATED

REMARKS - STATION LOCATED IN NE13-36-11-W3 DURING 1921

EAGLE CREEK NEAR KINLEY - STATION NO. 05GC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	28.3 E ON APR 17 *	08 ON MAR 1 *	---	1921
1935	---	---	---	---	1935
1936	---	27.2 ON APR 18	0 ON AUG 1	37 300	1936
1937	---	2.61 ON APR 16	08 ON JAN 1	2 710	1937
1938	---	4.22 ON APR 15	08 ON JAN 2	8 580	1938
1939	---	26.3 B ON APR 1	08 ON NOV 8	32 500	1939
1940	---	4.28 ON APR 25	08 ON JAN 1	4 270	1940
				17 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAGLE CREEK NEAR ROSETOWN - STATION NO. 05GC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0	3.03	0.013	0.248	0.284	0.096	0.024	0.031	---	---	0.456	1962
1963	---	---	1.43	0.906	0.133	0.010	0.091	0.015	0.006	0.009	---	---	0.326	1963
1964	---	---	0	0.587	0.118	0.007	0.001	0	0.035	0.045	---	---	0.098	1964
1965	---	---	0	20.2	0.728	0.244	0.125	0.003	0.028	0.027	---	---	2.62	1965
1966	---	---	2.86	4.08	0.070	0.358	0.062	0.018	0.001	0.020	---	---	0.927	1966
1967	---	---	0	4.49	3.53	0.057	0.002	0	0	0	---	---	1.00	1967
1968	---	---	1.23	0.118	0.021	0.097	0	0.009	0.015	0.052	---	---	0.194	1968
1969	---	---	0	20.5	1.01	0.080	0.089	0.018	0	0.027	---	---	2.67	1969
1970	---	---	0	22.8	2.91	2.38	4.15	1.48	0.918	0.324	---	---	4.32	1970
MEAN	---	---	0.613	8.52	0.848	0.389	0.532	0.182	0.114	0.059	---	---	1.40	MEAN

LOCATION - LAT 51 36 40 N
LONG 108 02 40 W
DRAINAGE AREA, 6 130 km^2
REGULATED

EAGLE CREEK NEAR ROSETOWN - STATION NO. 05GC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	22.9 ON APR 6	0E ON MAR 1 *	9 650	1962
1963	---	9.20 ON MAR 29	08 ON MAR 1	6 900	1963
1964	---	2.338 ON APR 3	08 ON MAR 1	2 080	1964
1965	---	148 ON APR 14	08 ON MAR 1	55 400	1965
1966	---	32.6 ON MAR 31	08 ON MAR 1	19 700	1966
1967	---	19.9 B ON APR 28	08 ON MAR 1	21 200	1967
1968	---	4.938 ON MAR 2	0 ON JUL 7	4 120	1968
1969	---	180 ON APR 12 *	0 ON MAR 1	56 600	1969
1970	---	127 ON APR 11	08 ON MAR 1	81 400	1970
				29 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAGLE CREEK NEAR TESSIER - STATION NO. 05GC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0	4.97	0.190	0.105	0.087	0.064	0.065	0.058	---	---	0.881	1962
MEAN	---	---	0	4.97	0.190	0.105	0.087	0.064	0.065	0.058	---	---	0.881	MEAN

LOCATION - LAT 51 52 10 N
LONG 107 26 40 W
DRAINAGE AREA, 6 970 km^2
REGULATED

EAGLE CREEK NEAR TESSIER - STATION NO. 05GC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	53.88 ON APR 9 *	08 ON MAR 1 *	14 400	1962
				14 400	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AB107

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.347	1.22	1.57	0.042	0.022	0.006	0	0	---	---	0.400	1927
1928	---	---	0.433	1.20	0.013	0.029	0.024	0.031	0	0	---	---	0.213	1928
1929	---	---	0.004	0.101	0.093	0.048	0	0	0	0	---	---	0.031	1929
1930	---	0.049	1.63	0.620	0.007	0	0	0	0	0	0	0	0.283	1930
1931	0	0	0	0	0	0.049	0.014	0	0	0	0	0	0.008	1931
1932	0	0	0.187	0.051	0	0.108	0	0	0	0	0	0	0.043	1932
1933	0	0	0.012	0	0	0	0	0	0	0	---	---	0.002	1933
1934	---	---	0.271	0.025	0	0	0	0	0	0	0	0	0.027	1934
1935	0	0	0.231	0.485	0	0	0.134	0	0	0	0	0	0.106	1935
1936	0	0	0	1.31	0.001	0	0	0	0	0	0	0	0.161	1936
1937	0	0	0.105	0.484	0	0	0	0	0	0	---	---	0.074	1937
1938	---	---	0.389	0.305	0	0	0.021	0	0	0	---	---	0.089	1938
1939	---	---	1.79	0.003	0	0.243	0.001	0	0	0	---	---	0.257	1939
1940	---	---	0	1.95	0.061	0.029	0	0	0	0	---	---	0.251	1940
1941	---	---	1.54	0.004	0	0	0	0	0	0	---	---	0.195	1941
1942	---	---	0.484	0.101	0	0.716	0.017	0	0	0	---	---	0.185	1942
1943	---	---	1.29	0.076	0	0	0	0	0	0	---	---	0.173	1943
1944	---	---	0.386	0	0	0.005	0	0	0	0	---	---	0.050	1944
1945	---	---	0.186	0	0	0	0	0	0	0	---	---	0.024	1945
1946	---	---	0.667	0	0	0	0	0	0	0	---	---	0.084	1946
1947	---	---	0.202	0.087	0	0	0	0	0	0	---	---	0.036	1947
1948	---	---	0	0	0	0	0	0	0	0	---	---	0	1948
1949	---	---	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	2.08	0.004	0	0	0	0	0	---	---	0.255	1950
1951	---	---	0	0.627	0.082	0	0	0	0	0	---	---	0.087	1951
1952	---	---	0.006	5.78	0.022	0.001	0	0	0	0	---	---	0.712	1952
1953	---	---	0.012	0	0.017	0.040	0.013	0	0	0	0	---	0.010	1953
1954	---	---	0.006	1.72	0.002	0.030	0	0.026	0.003	0.011	---	---	0.220	1954
1955	---	---	0.375	2.78	0.087	0.001	2.12	0.019	0	0	---	---	0.670	1955
1956	---	---	0.047	0.092	0.003	0	0	0	0	0	---	---	0.017	1956
1957	---	---	0.076	0.301	0	0	0.078	0	0	0	---	---	0.056	1957
1958	---	---	0.937	0.208	0	0	0	0	0	0	---	---	0.144	1958
1959	---	---	0.242	0.087	0	0.304	0.011	0	0	0	---	---	0.077	1959
1960	---	---	2.05	0.012	0.024	0	0	0	0	0	---	---	0.284	1960
1961	---	---	0.190	0	0	0	0	0	0	0	---	---	0.024	1961
1962	---	---	0.702	0.027	0	0	0.062	0	0	0	---	---	0.100	1962
1963	---	---	0.120	0	0	0	0	0	0	0	---	---	0.015	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.890	0.023	0.006	0	0	0	0	---	---	0.113	1965
1966	---	---	0.906	0.024	0	0	0	0	0	0	---	---	0.118	1966
1967	---	---	0.546	1.20	0.561	0	0	0	0	0	---	---	0.287	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.61	0.007	0	0	0	0	0	---	---	0.188	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.015	0	0	0	0	0	0	---	---	0.002	1971
1972	---	---	0.107	0	0	0	0	0	0	0	---	---	0.014	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.612	0.194	0.852	0.001	0	0	0	0	---	---	0.184	1974
1975	---	---	0	0.350	0.041	0	0	0.040	0	0	---	---	0.053	1975
1976	---	---	0.871	0	0	0	0	0	0	0	---	---	0.110	1976
MEAN	0	0.007	0.359	0.520	0.085	0.033	0.050	0.002	0	0	0	0	0.128	MEAN

LOCATION - LAT 48 58 00 N LONG 108 08 00 W DRAINAGE AREA, 182 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB107

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	18.6 AT 07 00 MST ON MAY 23	13.1 ON MAY 23	0 ON MAR 1 *	8 470	1927
1928	12.2 AT 23 30 MST ON APR 1	8.10 ON APR 1	0B ON MAR 1	4 520	1928
1929	2.24 AT 08 00 MST ON APR 15	1.34 ON APR 15	0B ON MAR 1	846	1929
1930	8.33 B AT 23 00 MST ON MAR 29	6.77 B ON MAR 29	0B ON MAR 6	6 000	1930
1931	---	1.47 ON JUN 30	0 ON MAR 1	184	1931
1932	---	2.66 A ON MAR 25	0A ON MAR 1	914	1932
1933	0.0938 AT 20 00 MST ON MAR 15	0.0658 ON MAR 16	0 ON MAR 1	32.4	1933
1934	---	0.7088 ON MAR 1	0B ON MAR 27	791	1934
1935	9.91 AT 22 00 MST ON APR 12	4.64 ON APR 12	0 ON MAR 1	2 240	1935
1936	---	14.4 ON APR 12	0 ON MAR 1	3 400	1936
1937	9.09 AT 03 30 MST ON APR 9	3.96 ON APR 9	0 ON MAR 1	1 580	1937
1938	5.91 AT 20 20 MST ON MAR 24	2.83 ON MAR 25	0 ON MAR 1	1 890	1938
1939	40.2 AT 23 00 MST ON MAR 21	18.3 ON MAR 22	0 ON MAR 1	5 430	1939
1940	21.3 AT 22 00 MST ON APR 20	15.9 ON APR 20	0 ON MAR 1	5 310	1940
1941	26.9 B AT 14 00 MST ON MAR 22	14.6 B ON MAR 22	0B ON MAR 1	4 120	1941
1942	13.5 AT 23 30 MST ON JUN 28	5.21 ON JUN 29	0 ON MAR 1	3 490	1942
1943	30.3 ON MAR 28	16.5 ON MAR 29	0 ON MAR 1	3 680	1943
1944	7.70 AT 13 00 MST ON MAR 18	3.96 ON MAR 18	0 ON MAR 1	1 040	1944
1945	3.00 AT 09 30 ON MAR 16	1.87 ON MAR 16	0 ON MAR 1	498	1945
1946	8.10 AT 12 15 MST ON MAR 12	5.07 ON MAR 11	0 ON MAR 1	1 780	1946
1947	2.38 B AT 01 00 MST ON MAR 27	1.50 ON MAR 28	0 ON MAR 1	787	1947
1948	---	0 ON MAR 1	0 ON MAR 1	0	1948
1949	---	0 ON MAR 1	0 ON MAR 1	0	1949
1950	30.9 AT 21 00 MST ON APR 12	13.7 ON APR 13	0 ON MAR 1	5 400	1950
1951	6.46 B AT 19 30 MST ON APR 5	3.28 B ON APR 6	0 ON MAR 1	1 850	1951
1952	82.3 AT 01 00 MST ON APR 7	39.1 ON APR 6 *	0B ON MAR 1	15 100	1952
1953	1.11 E ON JUN 3	0.568E ON JUN 3	0 ON MAR 1	215	1953
1954	40.8 B AT 02 15 MST ON APR 6	29.7 B ON APR 6	0B ON MAR 1	4 860	1954
1955	85.1 AT 22 30 MST ON JUL 12 *	18.3 ON JUL 12	0B ON MAR 1	14 200	1955
1956	1.42 B AT 08 30 MST ON MAR 27	0.5108 ON MAR 27	0B ON MAR 1	370	1956
1957	6.57 AT 11 00 MST ON JUL 22	4.67 B ON APR 1	0B ON MAR 1	1 190	1957
1958	21.5 AT 03 45 MST ON MAR 31	10.6 ON MAR 31	0 ON MAR 1	3 050	1958
1959	30.0 ON JUN 27	5.21 ON JUN 27	0 ON MAR 1	1 640	1959
1960	25.6 AT 03 30 MST ON MAR 21	13.1 ON MAR 21	0 ON MAR 1	5 580	1960
1961	5.64 AT 04 00 MST ON MAR 16	3.06 ON MAR 16	0 ON MAR 1	508	1961
1962	11.8 AT 13 45 MST ON MAR 27	6.57 ON MAR 28	0 ON MAR 1	2 110	1962
1963	---	0.765A ON MAR 3	0 ON MAR 17	322	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	11.5 AT 21 15 MST ON APR 13	7.19 ON APR 14	0 ON MAR 1	2 390	1965
1966	4.79 B AT 16 15 MST ON MAR 16	3.28 ON MAR 17	0B ON MAR 1	2 490	1966
1967	10.1 AT 05 00 MST ON APR 4	7.70 ON APR 4	0 ON MAR 1	5 080	1967
1968	---	0 ON MAR 1	0 ON MAR 1	0	1968
1969	26.1 AT 00 30 MST ON APR 6	17.5 ON APR 5	0 ON MAR 1	4 200	1969
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	0.586 AT 22 30 CST ON APR 10	0.185 ON APR 11	0 ON MAR 1	38.4	1971
1972	3.06 AT 01 30 MST ON MAR 18	1.59 ON MAR 18	0 ON MAR 1	287	1972
1973	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	18.5 AT 11 00 CST ON MAY 21	13.5 ON MAY 21	0B ON MAR 1	3 900	1974
1975	3.34 AT 13 00 CST ON APR 20	2.18 ON APR 20	0 ON MAR 1	1 120	1975
1976	26.3 AT 04 00 CST ON MAR 18	13.4 ON MAR 18	0 ON MAR 1	2 330	1976
				2 710	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO. 11AE014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0.885	1.78	0.150	0.001	0	0	0	0	---	---	0.349	1979
1980	---	---	0.252	0.016	0	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	3.78	0.413	0.067	0.013	0	0	0	---	---	0.525	1982
1983	---	0.288	0.618	0.142	0.022	0.001	0	0	0	0	---	---	0.099	1983
1984	---	0.089	0.280	0.021	0	0	0	0	0	0	---	---	0.036	1984
1985	---	0.144	0.345	0.018	0	0	0	0.003	0.001	0.001	---	---	0.045	1985
1986	---	0.676	0.253	0.072	0.020	0	0.012	0	0	0.001	---	---	0.045	1986
MEAN	---	0.289	0.327	0.728	0.076	0.009	0.003	0	0	0	---	---	0.142	MEAN

LOCATION - LAT 48 13 51 N
LONG 105 32 36 W
DRAINAGE AREA, 143 km^2
NATURAL FLOW

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO 11AE014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	10.9 E AT 04:05 CST ON APR 17	5.27 E ON APR 17	0B ON MAR 1 *	7 380	1979
1980	2.20 AT 04:21 CST ON MAR 29	1.35 ON MAR 29	0B ON MAR 1	716	1980
1981	---	0.018B ON MAR 1	0 ON MAR 12	5.70	1981
1982	42.7 AT 22:54 CST ON APR 14 *	30.0 ON APR 14 *	0B ON MAR 1	11 100	1982
1983	8.81 AT 04:26 CST ON MAR 29	4.22 ON MAR 29	0 ON JUN 2	2 090	1983
1984	5.03B AT 04:27 CST ON MAR 21	2.46 B ON MAR 21	0B ON MAR 7	753	1984
1985	---	1.10 B ON MAR 11	0 ON APR 17	934	1985
1986	---	1.41 ON MAR 1	0 ON JUN 1	985	1986
				3 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO 11AE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.190	0.242	0.119	0.069	0.057	0.048	0.121	0.120	---	---	---	1931
1932	---	---	1.05	0.475	0.141	0.091	0.079	1.38	0.126	0.144	---	---	---	1932
1933	---	---	0.776	0.387	0.401	0.460	0.234	0.095	0.079	0.087	---	---	---	1933
1934	---	---	0.430	0.317	0.110	0.052	0.020	0.028	0.072	0.088	---	---	---	1934
1935	---	---	1.40	0.204	0.148	0.317	0.173	0.082	0.052	0.042	0.028	0.014	---	1935
1936	0.014	0.014	0.237	1.21	0.228	0.097	0.082	0.068	0.086	0.085	0.042	0.028	0.178	1936
1937	0.028	0.028	0.069	0.273	0.237	0.122	0.155	0.082	0.083	0.105	---	---	---	1937
1938	---	---	3.81	0.275	0.248	0.154	0.158	0.089	0.078	0.097	---	---	---	1938
1939	---	---	6.26	0.196	0.186	0.530	0.079	0.030	0.084	0.084	---	---	---	1939
1940	---	---	0.128	1.76	0.245	0.173	0.128	0.346	0.104	0.134	---	---	---	1940
1941	---	---	2.89	0.306	0.187	0.289	0.191	0.097	0.107	0.124	---	---	---	1941
1942	---	---	2.52	1.13	0.180	0.152	0.190	0.121	0.337	0.214	---	---	---	1942
1943	---	---	8.74	1.85	0.182	0.295	0.170	0.075	0.095	0.124	---	---	---	1943
1944	---	---	---	0.368	0.163	0.218	0.125	0.187	0.076	0.095	---	---	---	1944
1945	---	---	1.19	0.263	0.191	0.151	0.089	0.113	0.145	0.085	---	---	---	1945
1946	---	---	2.62	0.255	0.141	0.141	0.180	0.054	0.047	0.104	---	---	---	1946
1947	---	---	2.51	4.83	0.244	0.424	0.136	0.137	0.132	0.148	---	---	---	1947
1948	---	---	0.223	8.80	0.550	0.149	0.119	0.087	0.078	0.079	---	---	---	1948
1949	---	---	1.72	1.12	0.189	0.115	0.087	0.084	0.087	0.099	---	---	---	1949
1950	---	---	0.057	6.82	0.319	0.221	0.129	0.132	0.121	0.128	---	---	---	1950
1951	---	---	0.088	2.73	0.747	0.157	0.115	0.110	0.178	0.162	---	---	---	1951
1952	---	---	0.073	12.9	0.614	0.132	0.152	0.108	0.118	0.145	---	---	---	1952
1953	---	---	0.556	0.434	0.355	0.978	0.573	0.113	0.128	0.158	---	---	---	1953
1954	---	---	0.892	6.84	1.35	0.311	0.143	0.232	0.334	0.198	0.178	---	---	1954
1955	---	---	2.21	8.93	4.44	0.185	0.154	0.089	0.105	0.132	---	---	---	1955
1956	---	---	1.02	0.789	0.254	0.181	0.085	0.035	0.082	0.108	---	---	---	1956
1957	---	---	0.322	0.381	0.177	0.137	0.098	0.083	0.127	0.203	---	---	---	1957
1958	---	---	2.39	0.806	0.189	0.138	0.118	0.074	0.110	0.121	---	---	---	1958
1959	---	---	0.343	0.235	0.168	0.118	0.093	0.084	0.094	0.144	---	---	---	1959
1960	---	---	5.80	0.291	0.172	0.158	0.191	0.106	0.108	0.117	---	---	---	1960
1961	---	---	0.905	0.193	0.212	0.124	0.078	0.080	0.108	0.096	---	---	---	1961
1962	---	---	3.10	0.822	0.205	0.436	0.336	0.096	0.105	0.139	---	---	---	1962
1963	---	0.557	2.41	0.391	0.245	0.390	0.231	0.118	0.124	0.108	---	---	---	1963
1964	---	---	0.135	1.28	0.183	0.188	0.101	0.070	0.100	0.113	---	---	---	1964
1965	---	---	0.016	2.82	0.552	0.314	0.232	0.081	0.149	0.171	---	---	---	1965
1966	---	---	1.65	0.206	0.237	0.144	0.101	0.093	0.110	0.270	---	---	---	1966
1967	---	---	2.72	5.23	0.407	0.149	0.083	0.086	0.125	0.145	---	---	---	1967
1968	---	---	3.17	0.267	0.144	0.141	0.154	0.150	0.176	0.128	---	---	---	1968
1969	---	---	0.028	8.47	0.289	0.127	0.155	0.118	0.089	0.135	---	---	---	1969
1970	---	---	1.12	3.36	1.42	0.200	0.172	0.087	0.109	0.120	---	---	---	1970
1971	---	---	1.02	3.88	0.193	0.155	0.091	0.078	0.110	0.128	---	---	---	1971
1972	---	---	5.07	0.359	0.488	0.303	0.155	0.131	0.148	0.153	---	---	---	1972
1973	---	---	0.218	0.264	0.248	0.163	0.113	0.086	0.084	0.106	---	---	---	1973
1974	---	---	3.82	5.14	0.285	0.247	0.108	0.088	0.120	0.135	---	---	---	1974
1975	0.094	0.081	0.251	12.1	1.75	1.19	1.29	0.258	0.122	0.022	0.017	0.018	1.43	1975
1976	0.042	0.150	4.06	5.73	0.812	2.86	3.08	0.406	0.087	0.076	0.050	0.048	1.45	1976
1977	0.048	0.085	0.074	0.087	0.484	0.393	0.081	0.086	0.087	0.059	0.082	0.051	0.122	1977
1978	0.047	0.045	0.101	0.077	0.084	0.105	0.078	0.086	0.086	0.087	0.087	0.081	0.071	1978
1979	0.080	0.057	1.88	3.98	1.15	0.858	0.181	0.093	0.115	0.131	0.125	0.124	0.895	1979
1980	0.125	0.115	0.122	0.205	0.372	0.077	0.075	0.079	0.078	0.080	0.086	0.078	0.124	1980
1981	0.078	0.086	0.082	0.129	0.218	0.174	0.084	0.068	0.085	0.075	0.077	0.074	0.100	1981
1982	0.036	0.026	0.265	8.98	0.988	0.586	0.124	0.081	0.082	0.091	0.086	0.086	0.919	1982
1983	0.088	0.082	0.826	0.571	0.359	0.099	0.081	0.073	0.078	0.085	0.082	0.075	0.210	1983
1984	0.084	0.096	0.098	0.129	0.115	0.103	0.071	0.073	0.087	0.090	0.081	0.074	0.092	1984
1985	0.078	0.072	0.085	0.105	0.227	0.090	0.089	0.079	0.083	0.088	0.077	0.078	0.095	1985
1986	0.082	0.157	2.28	0.191	0.265	0.100	0.087	0.072	0.082	0.080	0.078	0.074	0.300	1986
MEAN	0.084	0.109	1.58	2.33	0.443	0.389	0.309	0.123	0.109	0.116	0.078	0.083	0.445	MEAN

LOCATION - LAT 48 59 58 N DRAINAGE AREA, 1 400 km^2 INTERNATIONAL GAUGING STATION
LONG 105 24 32 W REGULATED SINCE 1975

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO 11AE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	1.04 A AT 01:00 MST ON SEP 30	---	---	---	1931
1932	57.5 A AT 01:00 MST ON AUG 13	22.0 ON AUG 13	0.059 ON JUN 23	---	1932
1933	---	---	---	---	1933
1934	---	0.8508 ON MAR 23	---	---	1934
1935	---	9.91 B ON MAR 18	---	---	1935
1936	---	4.81 B ON APR 11	0 B ON MAR 1 *	5 580	1936
1937	0.748 AT 20:00 MST ON JUL 15	0.5418 ON APR 14	---	---	1937
1938	36.9 B AT 15:30 MST ON MAR 15	25.5 B ON MAR 15	---	---	1938
1939	78.2 AT 13:00 MST ON MAR 22	58.0 ON MAR 22	0 ON MAR 1	---	1939
1940	27.0 AT 18:00 MST ON APR 15	21.2 B ON APR 15	---	---	1940
1941	21.3 B AT 12:30 MST ON MAR 27	13.9 B ON MAR 27	---	---	1941
1942	15.0 AT 04:30 MST ON APR 2	11.2 ON APR 2	---	---	1942
1943	58.0 AT 17:00 MST ON MAR 29	54.1 ON MAR 29	---	---	1943
1944	---	1.13 B ON APR 6	---	---	1944
1945	---	5.10 B ON MAR 13	---	---	1945
1946	14.8 B AT 06:00 MST ON MAR 14	12.5 B ON MAR 14	0 B ON MAR 1	---	1946
1947	28.1 AT 08:30 MST ON APR 11	24.0 ON APR 11	0 B ON MAR 1	---	1947
1948	85.4 B AT 17:00 MST ON APR 16	56.6 ON APR 17	---	---	1948
1949	---	10.2 B ON MAR 27	---	---	1949
1950	50.7 B ON APR 14	49.3 B ON APR 15	---	---	1950
1951	16.8 B AT 09:00 MST ON APR 30	12.9 B ON APR 30	---	---	1951
1952	53.5 B AT 04:00 MST ON APR 7	46.4 B ON APR 7	---	---	1952
1953	7.08 B AT 02:30 MST ON MAR 30	4.67 B ON MAR 29	---	---	1953
1954	84.3 B AT 11:30 MST ON APR 6	59.5 B ON APR 6	---	---	1954
1955	46.7 B AT 10:00 MST ON APR 1	43.0 B ON APR 1	---	---	1955
1956	7.96 B AT 19:00 MST ON MAR 25	5.34 B ON MAR 25	0 ON FEB 28	---	1956
1957	---	1.27 B ON MAR 23	---	---	1957
1958	---	17.8 B ON MAR 28	---	---	1958
1959	---	1.36 B ON MAR 18	---	---	1959
1960	53.8 B AT 04:00 MST ON MAR 21	48.1 B ON MAR 21	---	---	1960
1961	9.09 AT 17:00 MST ON MAY 30	6.14 B ON MAR 15	---	---	1961
1962	20.7 B AT 11:00 MST ON MAR 27	19.0 B ON MAR 27	---	---	1962
1963	20.4 B AT 05:00 MST ON MAR 23	15.7 B ON MAR 22	---	---	1963
1964	20.1 B AT 14:00 MST ON APR 1	14.7 B ON APR 1	---	---	1964
1965	---	33.7 B ON APR 13	0 B ON MAR 1	---	1965
1966	15.0 B AT 16:00 MST ON MAR 12	11.0 B ON MAR 12	0 B ON MAR 1	---	1966
1967	45.3 B AT 03:00 MST ON APR 9	39.4 B ON APR 9	0 B ON MAR 11	---	1967
1968	---	13.7 B ON MAR 6	---	---	1968
1969	55.3 AT 00:15 MST ON APR 6	58.9 ON APR 6	---	---	1969
1970	36.8 B AT 17:30 MST ON APR 5	34.0 B ON APR 5	---	---	1970
1971	24.1 B AT 18:30 CST ON APR 1	20.4 B ON APR 1	---	---	1971
1972	46.1 B AT 05:30 MST ON MAR 15	44.7 B ON MAR 16	---	---	1972
1973	0.425 AT 21:45 CST ON APR 20	0.396 ON APR 21	---	---	1973
1974	35.4 B AT 13:00 CST ON MAR 30	33.1 B ON MAR 30	---	---	1974
1975	114 AT 08:30 CST ON APR 23 *	94.6 ON APR 23 *	0.0098 ON DEC 19	45 000	1975
1976	---	23.4 B ON MAR 24	0.015 ON JAN 8	45 900	1976
1977	2.04 AT 19:00 CST ON MAY 27	1.64 ON MAY 27	0.037E ON JAN 10	3 870	1977
1978	---	0.198E ON JUL 4	0.023E ON JUL 19	2 250	1978
1979	10.1 B AT 19:30 CST ON MAR 23	7.65 ON APR 24	0.051E ON JAN 1	21 900	1979
1980	0.736 AT 08:45 CST ON APR 15	0.680 ON MAY 15	0.085 ON JUL 12	3 930	1980
1981	0.425 AT 15:15 CST ON APR 28	0.340 ON APR 28	0.0878 ON DEC 31	3 150	1981
1982	89.2 AT 13:00 CST ON APR 15	83.0 ON APR 15	0.0238 ON JAN 16	29 000	1982
1983	2.73 B AT 00:00 CST ON MAR 15	2.66 B ON MAR 15	0.085 ON AUG 11	6 520	1983
1984	0.261 AT 03:15 CST ON JUN 15	0.198 ON JUN 15	0.085 ON JUL 27	2 900	1984
1985	0.425 AT 14:30 CST ON MAY 30	0.368A ON MAY 13	0.081 ON FEB 12	2 980	1985
1986	5.90 B AT 02:30 CST ON MAR 2	5.84 ON MAR 4	0.0578 ON FEB 20	9 450	1986
				14 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST POPLAR RIVER AT MORRISON DAM - STATION NO 11AE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.935	1.36	0.302	0.207	0.001	---	---	---	1975
MEAN	---	---	---	---	---	0.935	1.36	0.302	0.207	0.001	---	---	---	MEAN

LOCATION - LAT 49 01 42 N
LONG 105 25 54 W
REGULATED SINCE 1975

EAST POPLAR RIVER AT MORRISON DAM - STATION NO. 11AE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON SEP 25 *	---	1975
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTEND CANAL - STATION NO. 11AC052

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	0	0.187	0.317	0.190	0.188	0.089	0.012	0	---	---	0.116	1937
1938	---	---	0	0.080	0.039	0.190	0.053	0	0	0	---	---	0.042	1938
1939	---	---	0	0.185	0.174	0	0.385	0.355	0.011	0.087	---	---	0.140	1939
1940	---	---	0	0	0.106	0.349	0.843	0.185	0.003	0	---	---	0.153	1940
1941	---	---	0	0	0.258	0.589	0.716	0.188	0.002	0	---	---	0.214	1941
1942	---	---	0	0	0.374	0.588	0.887	0.535	0.215	0.087	---	---	0.310	1942
1943	---	---	0	0	0.093	0.775	0.755	0.740	0.300	0.223	---	---	0.381	1943
1944	---	---	0	0	0.203	0.629	0.714	0.458	0.089	0.005	---	---	0.284	1944
1945	---	---	0	0	0.234	0.820	0.810	0.484	0.021	0.004	---	---	0.374	1945
1946	---	---	0	0.009	0.601	0.857	0.739	0.305	0	0	---	---	0.290	1946
1947	---	---	0	0	0.458	0.381	0.901	0.358	0	0	---	---	0.289	1947
1948	---	---	0	0	0.233	0.795	0.774	0.389	0.017	0	---	---	0.278	1948
1949	---	---	0	0.084	1.11	0.968	0.390	0.259	0	0	---	---	0.362	1949
1950	---	---	0	0	0.118	0.606	0.893	0.213	0.043	0.024	---	---	0.212	1950
1951	---	---	0	0	0.005	0.452	0.615	0.395	0.004	0	---	---	0.184	1951
1952	---	---	0	0	0	0	0.674	0.205	0.010	0	---	---	0.087	1952
1954	---	---	0	0	0	0.228	0.784	0.083	0	0	---	---	0.134	1954
1955	---	---	0	0	0	0.869	0.007	0.167	0.032	0	---	---	0.105	1955
1956	---	---	0	0	0.246	0.887	0.302	0.458	0.091	0	---	---	0.260	1956
1957	---	---	0	0	0.605	0.791	0.338	0.484	0	0	---	---	0.277	1957
1958	---	---	0	0.038	0.434	1.07	0.525	0.589	0	0	---	---	0.331	1958
1959	---	---	0	0.098	0.523	1.06	0.176	0.985	0.117	0	---	---	0.387	1959
1960	---	---	0	0.055	0.318	1.03	0.932	0.485	0	0	---	---	0.353	1960
1961	---	---	0	0.187	0.781	0.855	0.887	0.155	0	0	---	---	0.348	1961
1962	---	---	0	0.382	0.766	0.300	0.188	0.452	0.002	0	---	---	0.259	1962
1963	---	---	0	0.215	0.605	0.203	0.330	0.746	0.011	0	---	---	0.285	1963
1964	---	---	0	0.002	0.113	0.880	0.845	0.142	0	0	---	---	0.209	1964
1965	---	---	0	0.001	0.388	0.858	0.001	0	0	0	---	---	0.162	1965
1966	---	---	0	0.001	0.183	1.17	0.282	0.493	0	0	---	---	0.259	1966
1967	---	---	0	0	0	1.15	1.05	0.490	0	0	---	---	0.340	1967
1968	---	---	0	0	1.03	0.747	1.00	0.538	0	0	---	---	0.416	1968
1969	---	---	0	0.001	0.356	1.05	0.001	0.784	0.011	0	---	---	0.272	1969
1970	---	---	0	0	0.897	0.994	0.488	0.318	0	0	---	---	0.250	1970
1971	---	---	0	0	0.575	0.815	0.848	0.543	0.001	0	---	---	0.323	1971
1972	---	---	0	0	1.05	0.188	0.868	0.387	0	0	---	---	0.315	1972
1973	---	---	0	0	0.987	0.401	0.849	0.319	0	0	---	---	0.288	1973
1974	---	---	0	0	0.001	0.877	0.587	0.313	0	0	---	---	0.213	1974
1975	---	---	0	0	0	0.785	0.419	0.424	0.002	0	---	---	0.201	1975
1976	---	---	0	0	1.10	0.214	0.394	0.521	0.004	0	---	---	0.281	1976
1977	---	---	0	0	1.22	0.005	1.18	0.001	0	0	---	---	0.318	1977
1978	---	---	0	0	0.458	0.333	0.944	0.284	0	0	---	---	0.203	1978
1979	---	---	0	0	0.176	1.14	0.474	0.806	0	0	---	---	0.299	1979
1980	---	---	0	0	1.11	0.433	0.889	0.386	0	0	---	---	0.352	1980
1981	---	---	0	0	1.26	0	0.893	0.406	0	0	---	---	0.350	1981
1982	---	---	0	0	0.153	0	0.146	0.767	0	0	---	---	0.135	1982
1983	---	---	0	0	0.572	0.336	0.483	0.440	0	0	---	---	0.343	1983
1984	---	---	0	0.154	0.764	0	0.439	0	0	0	---	---	0.171	1984
1985	---	---	0	0	1.28	0.247	0	0	0	0	---	---	0.192	1985
1986	---	---	0	0.119	0.251	1.22	0.744	0	0	0	---	---	0.294	1986
MEAN	---	---	0	0.036	0.482	0.575	0.540	0.381	0.021	0.008	---	---	0.251	MEAN

LOCATION - LAT 49 30 21 N
LONG 103 50 54 W

REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

EASTEND CANAL - STATION NO 11AC052

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	---				
1938	---	0.597 ON MAY 2	0 ON MAR 1 *	2 440	1937
1939	---	0.309 ON JUN 18	0 ON MAR 1	895	1938
		0.841 ON AUG 3	0 ON MAR 1	3 150	1939
1940	---	0.889 ON JUL 5	0 ON MAR 1	3 370	1940
1941	---	0.946 ON JUN 27	0 ON MAR 1	4 530	1941
1942	---	0.900 ON JUL 15	0 ON MAR 1	6 580	1942
1943	---	1.05 ON JUN 18	0 ON MAR 1	7 840	1943
1944	---	0.878 ON JUL 22	0 ON MAR 1	5 580	1944
1945	---	1.02 ON JUL 5	0 ON MAR 1	5 800	1945
1946	---	1.02 ON JUN 5	0 ON MAR 1	6 130	1946
1947	---	1.06 ON JUL 11	0 ON MAR 1	5 880	1947
1948	---	0.985 ON JUN 25	0 ON MAR 1	5 840	1948
1949	---	1.78 ON MAY 11	0 ON MAR 1	7 440	1949
1950	---	1.26 ON JUL 26	0 ON MAR 1	4 490	1950
1951	---	1.17 ON AUG 1	0 ON MAR 1	3 800	1951
1953	---	0.940E ON JUL 14	0 ON MAR 1	1 850	1953
1954	---	1.07 ON JUL 21	0 ON MAR 1	2 840	1954
1955	---	1.25 ON JUN 17	0 ON MAR 1	2 230	1955
1956	---	1.36 ON JUN 18	0 ON MAR 1	5 490	1956
1957	---	1.37 ON MAY 30	0 ON MAR 1	5 870	1957
1958	---	1.42 ON MAY 27	0E ON MAR 1	7 010	1958
1959	---	1.44 ON JUN 4	0 ON MAR 1	7 770	1959
1960	---	1.53 ON JUN 8	0 ON MAR 1	7 480	1960
1961	---	1.47 ON JUL 14	0 ON MAR 1	7 380	1961
1962	---	1.08 ON JUN 1	0 ON MAR 1	5 470	1962
1963	---	1.20 ON MAY 29	0 ON MAR 1	5 810	1963
1964	---	1.34 ON JUN 2	0 ON MAR 1	4 430	1964
1965	---	1.33 ON JUN 12	0 ON MAR 1	3 210	1965
1966	---	1.43 ON JUN 5	0 ON MAR 1	5 490	1966
1967	---	1.73 ON JUN 15	0 ON MAR 1	7 190	1967
1968	---	2.01 ON JUL 24	0 ON MAR 1	8 820	1968
1969	---	1.57 ON MAY 30	0 ON MAR 1	5 770	1969
1970	---	1.70 ON MAY 25	0E ON MAR 1	5 310	1970
1971	---	2.02 ON MAY 30	0 ON MAR 1	8 840	1971
1972	---	1.93 ON MAY 25	0 ON MAR 1	8 870	1972
1973	---	2.19 ON MAY 19	0 ON MAR 1	8 300	1973
1974	---	1.85 ON JUN 27	0 ON MAR 1	4 830	1974
1975	---	2.30 ON JUN 13	0 ON MAR 1	4 240	1975
1976	---	2.36 E ON MAY 18	0 ON MAR 1	5 980	1976
1977	---	2.07 ON MAY 14	0 ON MAR 1	8 730	1977
1978	---	1.86 ON MAY 27	0 ON MAR 1	4 310	1978
1979	---	1.89 ON JUL 25	0 ON MAR 1	8 320	1979
1980	---	2.01 ON MAY 25	0 ON MAR 1	7 470	1980
1981	---	2.19 ON MAY 7	0 ON MAR 1	8 330	1981
1982	---	1.37 ON AUG 5	0 ON MAR 1	2 880	1982
1983	---	2.01 ON MAY 28	0 ON MAR 1	5 140	1983
1984	---	2.19 ON MAY 9	0 ON MAR 1	3 820	1984
1985	---	2.41 ON MAY 23	0 ON MAR 1	4 070	1985
1986	---	2.44 ON JUN 4 *	0 ON MAR 1	8 230	1986
				5 310	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ECHO CREEK AT FORT QU'APPELLE - STATION NO 05JK008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.102	0.008	0	0	0	0	0	0	---	---	0.014	1984
1985	---	---	0.650	1.85	0.089	0	0	0	0	0	---	---	0.320	1985
1986	---	---	0.040	0.185	0.383	0	0	0	0	0	---	---	0.150	1986
MEAN	---	---	0.264	0.680	0.151	0	0	0	0	0	---	---	0.161	MEAN

LOCATION - LAT 50 45 38 N
LONG 103 47 50 W
NATURAL FLOW

ECHO CREEK AT FORT QU'APPELLE - STATION NO 05JK008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.780E ON MAR 27	0 ON MAR 1 *	289	1984
1985	6.63 AT 22 00 CST ON APR 1 *	7.04 ON APR 2 *	0E ON MAR 1	8 770	1985
1986	5.59E AT 07 00 CST ON MAR 3	4.84 E ON MAR 3	0 ON APR 1	3 160	1986
				3 410	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EKAPO CREEK NEAR BROADVIEW - STATION NO 05JM005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	1.35	0.405	0.032	---	---	---	---	---	1955
1956	---	---	---	---	1.16	0.230	0.180	---	---	---	---	---	---	1956
MEAN	---	---	---	---	1.16	0.790	0.283	0.032	---	---	---	---	---	MEAN

LOCATION - LAT 50 23 17 N
LONG 102 39 40 W
DRAINAGE AREA, 308 km²
NATURAL FLOW
DATA CONTRIBUTED BY -
PRAIRIE FARM REHABILITATION ADMINISTRATION

EKAPO CREEK NEAR MARIEVAL - STATION NO 05JM010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	---	4.38	0.359	---	---	---	---	---	---	---	1956
1969	---	---	0	4.06	0.171	0.055	0.005	0	0	0	---	---	0.526	1969
1970	---	---	0	2.52	1.74	0.287	0.008	0	0	0	---	---	0.564	1970
1971	---	---	0	2.55	0.086	0	0	0	0	0	---	---	0.323	1971
1972	---	---	1.27	1.07	0.185	0.007	0	0	0	0	---	---	0.316	1972
1973	---	---	0.020	0.005	0.007	0.021	0.001	0.001	0.004	0	---	---	0.007	1973
1974	---	---	0	5.19	1.67	0.178	0.008	0.057	0.003	0.013	---	---	0.881	1974
1975	---	---	0	7.98	4.32	0.133	0.045	0.003	0.001	0.001	---	---	1.55	1975
1976	---	---	0.004	11.7	0.818	0.044	0.003	0.001	0.001	0	---	---	1.54	1976
1977	---	---	0.002	0.010	0.011	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.031	0.928	0.130	0.003	0.002	0.001	0.001	0.001	---	---	0.135	1978
1979	---	---	0	5.97	2.80	0.125	0.001	0.001	0	0	---	---	1.10	1979
1980	---	---	0	0.865	0.009	0.001	0.001	0.001	0.001	0.001	---	---	0.105	1980
1981	---	0.020	0.011	0.001	0.001	0.001	0.001	0.001	0	0	---	---	0.002	1981
1982	---	---	0.026	1.91	0.038	0.003	0.021	0.002	0.001	0.002	---	---	0.245	1982
1983	---	---	0	3.54	0.840	0.087	0.044	0.002	0	0	---	---	0.557	1983
1984	---	---	0.019	0.019	0.007	0.003	0.001	0	0	0	---	---	0.006	1984
1985	---	---	1.53	2.21	0.014	0.008	0.002	0.002	0.005	0.015	---	---	0.469	1985
1986	---	---	1.21	0.405	0.258	0.043	0.015	0.056	0.003	0.004	---	---	0.250	1986
MEAN	---	0.020	0.229	2.83	0.920	0.071	0.009	0.008	0.001	0.002	---	---	0.477	MEAN

LOCATION - LAT 50 31 47 N
LONG 102 42 37 W
DRAINAGE AREA, 1 100 km²
NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1973 COLLECTED ABOUT 8.0 km DOWNSTREAM

EKAPO CREEK NEAR MARIEVAL - STATION NO 05JM010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	29.7 ON APR 18	---	---	1956
1969	---	12.4 B ON APR 10	0 B ON MAR 1 *	11 100	1969
1970	---	7.79 ON APR 11	0 B ON MAR 1	11 900	1970
1971	---	9.17 ON APR 8	0 B ON MAR 1	6 830	1971
1972	---	6.31 B ON MAR 23	0 B ON MAR 1	6 690	1972
1973	---	0.425E ON JUN 3	E B ON MAR 1	156	1973
1974	28.6 AT 21 30 CST ON APR 18	24.3 ON APR 18	0 B ON MAR 1	18 700	1974
1975	26.0 AT 13 26 CST ON APR 29	27.6 ON APR 29	0 B ON MAR 1	32 800	1975
1976	57.8 AT 01 49 CST ON APR 9 *	44.7 ON APR 9 *	0 ON JUL 11	32 600	1976
1977	0.065 AT 03 28 CST ON MAY 5	0.040 ON MAY 5	0 B ON MAR 1	81.7	1977
1978	3.94 B AT 23 50 CST ON APR 2	3.11 B ON APR 3	0 B ON MAR 1	2 850	1978
1979	42.3 AT 23 31 CST ON APR 21	34.0 ON APR 22	0 B ON MAR 1	23 300	1979
1980	3.80 B AT 21 05 CST ON APR 5	2.61 B ON APR 5	0 B ON MAR 1	2 230	1980
1981	---	0.037B ON MAR 1	0 ON AUG 12	43.2	1981
1982	10.0 B AT 23 00 CST ON APR 14	8.66 B ON APR 15	0 B ON MAR 1	5 190	1982
1983	17.5 AT 19 25 CST ON APR 21	15.1 ON APR 22	0 B ON MAR 1	11 800	1983
1984	0.144B AT 08 53 CST ON MAR 26	0.102B ON MAR 26	0 B ON MAR 1	129	1984
1985	13.8 AT 22 01 CST ON APR 2	10.4 ON APR 2	0 B ON MAR 1	9 930	1985
1986	3.27 AT 16 19 CST ON AUG 6	2.46 B ON MAR 22	0.002 ON AUG 27	5 300	1986
				10 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO 05JG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0	0	0.489	1.38	1.76	2.49	2.46	0.088	0	0	0.724	1959
1960	0	0	0	0.038	0.076	0.086	0.847	2.47	0.147	0.010	0.003	0	0.306	1960
1961	0	0	0	0.258	2.65	2.54	2.58	2.59	2.56	0.038	0.002	0	1.11	1961
1962	0	0	0	0	0.086	2.54	2.48	2.47	2.40	0.125	0.005	0	0.846	1962
1963	0	0	0	1.12	2.54	2.58	1.90	0.436	2.57	1.85	0.320	0	1.08	1963
1964	0	0	0	0.057	0.057	0.070	0	2.21	2.51	2.57	1.79	0.055	0.787	1964
1965	0	0	0	0	0.224	0.081	0.002	0.002	0	0	0	0	0.027	1965
1966	0	0	0	0	0.011	0.007	0.001	0.007	0.009	0.010	0	0	0.004	1966
1967	0	0	0	0.028	0.020	1.32	4.56	5.77	5.16	5.59	5.92	5.08	2.81	1967
1968	4.58	0	0	0	1.88	4.57	4.46	0.806	0.030	0.024	7.12	4.38	2.31	1968
1969	4.39	1.03	0	0	0.013	0.018	2.84	1.65	4.13	0.487	2.52	2.81	1.84	1969
1970	1.54	1.42	0	0.018	0.021	0.028	0.033	0.033	0.038	0.182	2.79	2.87	0.724	1970
1971	1.81	1.27	0.106	0.024	0.233	0.029	0.041	0.539	0.100	1.44	2.87	1.42	0.779	1971
1972	1.42	1.14	0.170	0.049	4.65	3.88	5.17	3.98	1.09	0.580	3.36	1.42	2.32	1972
1973	1.42	0.085	0.243	5.46	6.37	1.31	5.51	5.97	0.885	2.04	1.69	1.30	2.70	1973
1974	1.24	0.318	0.035	0.047	0.065	0.048	0.189	0.603	0.041	0.041	3.45	1.85	0.680	1974
1975	1.42	1.20	0.034	0.041	0.041	0.404	0.938	1.98	2.24	1.53	1.87	1.59	1.09	1975
1976	1.53	0.373	0.051	0.056	0.120	0.200	0.496	0.785	2.73	1.40	1.76	1.50	0.918	1976
1977	1.07	1.12	1.14	1.24	3.88	3.83	3.06	3.46	3.36	3.30	1.80	1.22	2.34	1977
1978	1.21	0.862	0.085	0.050	0.521	0.889	2.89	3.84	3.76	1.88	1.32	1.32	1.55	1978
1979	1.28	1.18	0.023	0.037	0.109	0.285	1.07	3.29	3.71	1.72	1.40	1.28	1.28	1979
1980	1.27	1.21	0.103	0.100	1.45	5.70	7.10	5.76	3.88	1.76	1.80	1.85	2.75	1980
1981	1.79	1.11	0.787	4.01	9.89	10.5	10.1	8.24	4.76	0.881	1.13	1.26	4.51	1981
1982	1.26	1.28	0.785	0.034	0.033	0.461	0.987	1.62	2.87	1.88	1.76	1.38	1.21	1982
1983	1.32	1.28	0.827	0.057	0.842	2.72	2.48	3.68	3.55	1.48	1.48	1.49	1.75	1983
1984	1.45	1.44	0.734	1.85	4.86	5.07	5.22	4.62	3.44	1.79	1.47	1.45	3.20	1984
1985	1.26	1.32	1.03	0.089	0.256	3.04	5.35	5.73	3.02	1.37	1.59	1.39	2.13	1985
1986	1.35	1.37	1.42	2.13	7.82	5.26	5.06	3.54	3.36	1.80	1.83	1.45	3.00	1986
MEAN	1.16	0.882	0.283	0.592	1.74	2.13	2.80	2.93	2.32	1.27	1.78	1.35	1.59	MEAN

LOCATION - LAT 50 58 40 N
LONG 106 23 55 W REGULATED

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO 05JG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	2.78 ON SEP 28	0 E ON JAN 1 *	22 800	1959
1960	---	2.55 ON AUG 5	0 E ON JAN 1	9 750	1960
1961	---	2.83 ON MAY 12	0 E ON JAN 1	35 000	1961
1962	---	2.67 ON AUG 7	0 E ON JAN 1	26 700	1962
1963	---	2.79 ON JUN 8	0 E ON JAN 1	34 100	1963
1964	---	2.75 ON SEP 7	0 E ON JAN 1	24 900	1964
1965	---	1.25 ON MAY 24	0 E ON JAN 1	845	1965
1966	---	0.088 ON MAY 25	0 E ON JAN 1	118	1966
1967	---	5.09 ON OCT 21	0 E ON JAN 1	68 800	1967
1968	---	11.3 ON NOV 14	0 E ON FEB 1	72 800	1968
1969	---	7.56 ON SEP 12	0 ON FEB 18	51 80[illegible]	1969
1970	---	2.92 ON OCT 31	0 B ON MAR 1	22 800	1970
1971	---	3.30 ON OCT 21	0 B ON MAR 6	24 500	1971
1972	---	11.7 ON MAY 31 *	0 B ON MAR 10	73 300	1972
1973	---	8.95 ON MAY 11	0 0118 ON FEB 8	85 300	1973
1974	---	4.45 ON NOV 16	0 0288 ON APR 1	20 800	1974
1975	---	3.08 ON SEP 16	0 0348 ON FEB 25	34 500	1975
1976	---	2.92 ON AUG 31	0 031 ON JUL 1	28 000	1976
1977	---	3.91 ON MAY 25	0 040 ON JUL 19	73 800	1977
1978	---	3.91 ON AUG 28	0 0408 ON APR 13	48 800	1978
1979	---	3.79 ON OCT 7	0 0128 ON FEB 24	40 300	1979
1980	---	8.72 ON JUL 1	0 B ON MAR 4	87 000	1980
1981	---	11.4 ON JUL 13	0 041 ON OCT 27	143 000	1981
1982	---	3.06 ON SEP 28	0 029 ON MAY 5	38 000	1982
1983	---	3.87 ON JUL 30	0 039 ON APR 4	55 300	1983
1984	---	8.95 ON AUG 19	0 042 ON MAR 24	101 000	1984
1985	---	5.08 ON JUL 24	0 040 ON MAY 4	87 100	1985
1986	11.3 AT 22 48 CST ON JUN 1 *	11.1 ON JUN 1	1.34 B ON DEC 28	94 600	1986
				80 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 05EP006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	1.31	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	1.23	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	0.513	0.197	---	---	---	---	---	---	---	1973
1975	---	---	0	1.62	1.18	0.575	1.33	0.180	0.087	0.188	---	---	0.644	1975
1976	---	---	0.004	1.22	0.278	0.271	0.294	0.059	0.197	0.158	---	---	0.308	1976
1977	---	---	0.162	0.806	0.885	0.101	0.184	0.245	0.198	0.083	---	---	0.307	1977
1978	---	---	0.085	1.16	1.36	0.478	0.044	0.082	0.186	0.172	---	---	0.447	1978
1979	---	---	0.101	1.64	2.25	0.431	0.218	0.079	0.055	0.111	---	---	0.805	1979
1980	---	---	0	1.13	0.197	0.145	0.135	0.301	0.290	0.213	---	---	0.282	1980
1981	---	---	0.244	1.79	0.175	0.052	0.091	0.048	0.003	0.070	---	---	0.305	1981
1982	---	---	0	0.574	0.303	0.060	0.263	0.265	0.097	0.180	---	---	0.232	1982
1983	---	---	0.103	0.732	0.149	0.103	0.276	0.048	0.151	0.144	---	---	0.212	1983
1984	---	---	0.162	1.02	1.11	0.883	0.134	0.055	0.111	0.152	---	---	0.451	1984
1985	---	---	0.074	2.18	0.801	0.641	0.046	0.018	0.049	0.140	---	---	0.486	1985
1986	---	---	0.109	1.48	0.548	0.298	0.773	1.76	0.123	0.145	---	---	0.658	1986
MEAN	---	---	0.075	1.27	0.780	0.335	0.313	0.264	0.129	0.147	---	---	0.412	MEAN

LOCATION - LAT 53 34 32 N
LONG 109 09 25 W
DRAINAGE AREA, 393 km²
NATURAL FLOW

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 05EP006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	3.848 ON APR 20	0 B ON MAR 1 *	---	1971
		5.218 ON APR 16	0 B ON MAR 1	---	
1973	---	---	---	---	1973
1975	---	2.14 ON APR 27	0 B ON MAR 1	13 800	1975
1976	---	2.758 ON APR 7	0 B ON MAR 1	6 520	1976
1977	---	1.83 ON MAY 21	0.003E ON JUN 15	6 510	1977
1978	2.75 AT 07 10 CST ON MAY 2	2.57 ON MAY 2	0.001 ON JUL 25	9 470	1978
1979	10.8 AT 14 39 CST ON MAY 1 *	10.5 ON MAY 1 *	0.033 ON SEP 22	12 900	1979
1980	4.748 AT 06 30 CST ON APR 15	4.418 ON APR 15	0 B ON MAR 1	5 880	1980
1981	5.088 AT 10 23 CST ON APR 7	3.958 ON APR 6	0.001 ON SEP 3	6 470	1981
1982	2.998 AT 06 24 CST ON APR 24	2.718 ON APR 24	0 B ON MAR 1	4 920	1982
1983	2.348 AT 08 56 CST ON APR 4	1.578 ON APR 6	0.004 ON SEP 4	4 480	1983
1984	2.75 AT 08 20 CST ON MAY 24	2.42 ON MAY 25	0.013 ON AUG 8	9 540	1984
1985	5.08 AT 15 52 CST ON APR 16	4.74 ON APR 16	0.004E ON AUG 21	10 300	1985
1986	10.5 AT 13 15 CST ON AUG 1	9.73 ON AUG 1	0.050 ON JUN 16	13 900	1986
				8 720	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ENRIGHT AND STRONG DITCH NEAR EASTEND - STATION NO. 11AC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	0.238	0.133	0.180	0.120	0.011	---	---	---	1909
1910	---	---	0	0.003	0.227	0.320	0.053	0.138	0.178	0.275	---	---	0.148	1910
1911	---	---	0	0.013	0.133	0.191	0.154	0.183	0.036	0	---	---	0.086	1911
1912	---	---	0	0	0	0.089	0.854	0.384	0.023	0	---	---	0.144	1912
1913	---	---	0	0	0.078	---	---	---	---	---	---	---	---	1913
1914	---	---	---	---	0.502	0.345	0.113	0	0	0	---	---	---	1914
1915	---	---	0	0.007	0.402	0.377	0.420	0.055	0.005	0	---	---	0.158	1915
1916	---	---	0	0	---	0.226	0.127	0.180	0	0	---	---	---	1916
1917	---	---	0	0	0.052	0.269	0.269	0.053	0	0	---	---	0.080	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
MEAN	---	---	0	0.003	0.107	0.148	0.138	0.081	0.025	0.020	---	---	0.058	MEAN

LOCATION - LAT 49 30 30 N
LONG 108 50 24 W
REGULATED

ENRIGHT AND STRONG DITCH NEAR EASTEND - STATION NO 11AC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON OCT 18 *	---	1909
1910	---	0.504 ON JUN 1	0 ON MAR 1	3 140	1910
1911	---	0.595 ON JUN 12	0 ON MAR 1	1 830	1911
1912	---	0.702 ON JUL 4	0 ON MAR 1	3 040	1912
1913	---	---	0 ON MAR 1	---	1913
1914	---	---	0 ON JUL 19	---	1914
1915	---	0.765 ON JUL 21 *	0 ON MAR 1	3 390	1915
1916	---	---	0 ON MAR 1	---	1916
1917	---	0.269E ON MAY 26	0 ON MAR 1	1 700	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0 ON MAR 1	0 ON MAR 1	0	1920
1921	---	0 ON MAR 1	0 ON MAR 1	0	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 190	MEAN

E - ESTIMATED

ETOMAMI RIVER NEAR BERTWELL - STATION NO 05LB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.137	34.9	49.1	7.25	1.83	0.134	0.172	0.518	---	---	11.7	1955
1956	---	---	0.028	2.49	30.5	8.80	4.02	0.326	0.782	0.586	---	---	5.83	1956
1957	---	---	0.170	27.7	18.5	2.77	0.249	0.720	0.477	0.086	---	---	6.29	1957
1958	---	---	0.155	1.88	1.23	0.779	0.588	0.110	0.083	0.377	---	---	0.845	1958
1959	---	---	0.422	4.30	2.70	2.72	5.43	0.264	2.73	4.30	---	---	2.85	1959
1960	---	---	0.872	24.5	18.2	8.61	1.50	0.316	0.324	0.332	---	---	6.91	1960
1961	---	---	0.187	1.76	1.53	0.270	0.001	0	0	0	---	---	0.486	1961
1962	---	---	0	13.5	3.90	0.267	0.083	0	0.272	0.179	---	---	2.25	1962
1963	---	---	0.011	7.74	0.790	1.13	0.802	0.113	0.382	0.512	---	---	1.41	1963
1964	---	---	0	9.26	26.4	0.722	0.247	0.287	2.70	0.758	---	---	5.05	1964
1965	---	---	0.057	7.14	17.1	40.2	10.3	1.74	1.14	1.75	---	---	9.85	1965
1966	---	---	0.131	23.5	14.7	13.5	6.63	2.09	0.909	2.68	---	---	7.87	1966
1967	---	---	0.297	4.16	30.4	4.29	0.293	0.036	0.023	0.235	---	---	5.00	1967
1968	---	---	1.94	4.35	0.908	1.54	0.584	1.19	0.824	0.180	---	---	1.44	1968
1969	---	---	0.227	19.6	3.13	0.359	0.201	0.062	0.020	1.18	---	---	3.06	1969
1970	---	---	0.073	9.81	26.0	7.23	10.3	1.10	0.273	1.05	---	---	7.00	1970
1971	---	---	0.179	28.4	4.90	1.88	0.530	0.218	0.080	0.452	---	---	4.52	1971
1972	---	---	0.189	31.6	31.2	1.39	0.305	0.057	0.148	0.893	---	---	8.19	1972
1973	---	---	0.048	6.26	5.27	10.8	7.97	0.711	0.083	0.278	---	---	3.90	1973
1974	---	---	0.286	28.3	32.5	8.50	0.446	0.769	1.52	1.37	---	---	9.18	1974
1975	---	---	0.244	18.4	19.1	10.0	1.87	0.459	1.50	1.96	---	---	6.41	1975
1976	---	---	0.198	25.1	4.81	24.2	6.43	0.460	0.091	0.221	---	---	7.56	1976
1977	---	---	0.227	4.53	0.988	0.258	0.083	0.275	0.872	0.741	---	---	0.959	1977
1978	---	---	0.131	15.3	8.38	0.947	0.859	0.229	0.257	0.725	---	---	3.30	1978
1979	---	---	0.084	22.0	30.0	14.2	0.941	0.072	0.051	0.145	---	---	8.39	1979
1980	---	---	0.184	4.42	0.377	0.173	0.208	0.463	0.157	0.258	---	---	0.768	1980
1981	---	---	1.75	2.83	0.709	0.846	0.555	0.335	0.020	2.35	---	---	1.19	1981
1982	---	---	0.083	5.20	2.20	3.86	0.313	0.077	0.005	0.114	---	---	1.46	1982
1983	---	---	0.087	8.32	8.59	3.40	10.8	1.20	0.137	0.257	---	---	4.11	1983
1984	---	---	0.230	11.8	13.8	21.2	1.93	0.243	0.164	0.414	---	---	6.14	1984
1985	---	---	0.275	32.6	11.5	2.91	1.02	0.822	0.537	0.871	---	---	6.24	1985
1986	---	---	0.372	24.5	7.74	1.43	1.33	1.28	0.166	0.485	---	---	4.61	1986
MEAN	---	---	0.289	14.5	13.3	6.48	2.46	0.505	0.522	0.813	---	---	4.84	MEAN

LOCATION - LAT 52 35 32 N LONG 102 33 54 W
DRAINAGE AREA 2 050 km^2
NATURAL FLOW

REMARKS - STATION MOVED 1.0 km UPSTREAM ON JUN 03 1982

ETOMAMI RIVER NEAR BERTWELL - STATION NO. 05LB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	107 ON MAY 7	0.057E ON MAR 1	248 000	1955
1956	---	44.2 ON MAY 15	0.028E ON MAR 1	126 000	1956
1957	---	90.9 ON APR 24	0 ON JUL 1 *	133 000	1957
1958	---	3.31 ON APR 21	0 ON AUG 18	13 700	1958
1959	---	22.3 ON JUN 29	0.028B ON MAR 1	80 300	1959
1960	---	47.3 ON APR 25	0.057B ON OCT 30	146 000	1960
1961	---	5.09B ON APR 20	0 ON JUL 4	9 880	1961
1962	---	56.6 B ON APR 24	0 B ON MAR 1	47 500	1962
1963	---	23.8 B ON APR 15	0 B ON MAR 1	30 000	1963
1964	---	59.5 ON MAY 15	0 B ON MAR 1	107 000	1964
1965	---	148 ON JUN 4 *	0.057E ON MAR 1	208 000	1965
1966	---	97.7 ON APR 15	0.127B ON MAR 1	189 000	1966
1967	---	73.6 B ON MAY 1	0.008 ON AUG 28	105 000	1967
1968	---	14.0 B ON MAR 30	0.085B ON MAR 15	30 600	1968
1969	---	56.6 B ON APR 12	0 ON SEP 9	84 700	1969
1970	62.3 AT 19 00 CST ON MAY 3	61.7 ON MAY 4	0.068B ON MAR 1	148 000	1970
1971	85.4 AT 20 06 CST ON APR 16	87.8 ON APR 17	0 ON SEP 1	95 500	1971
1972	147 AT 19 09 CST ON APR 26 *	140 ON APR 27	0 ON AUG 2	173 000	1972
1973	23.8 AT 00 00 CST ON JUL 5	22.7 ON JUL 5	0 B ON MAR 1	82 600	1973
1974	12* AT 21 00 CST ON APR 22	123 ON APR 22	0.173 ON AUG 10	194 000	1974
1975	---	57.8 ON APR 24	0.244B ON MAR 1	136 000	1975
1976	75.0 AT 19 20 CST ON JUN 25	73.3 ON JUN 25	0.003 ON SEP 14	160 000	1976
1977	---	12.7 B ON APR 12	0.027E ON AUG 28	20 300	1977
1978	---	62.3 B ON APR 20	0.004 ON SEP 12	69 800	1978
1979	---	110 A ON APR 23	0.005 ON SEP 28	178 000	1979
1980	---	17.0 ON APR 14	0 ON SEP 17	16 300	1980
1981	---	5.80B ON MAR 29	0.001 ON SEP 2	25 100	1981
1982	---	17.9 B ON APR 17	0 B ON MAR 1	31 000	1982
1983	54.2 AT 03 00 CST ON APR 24	53.1 ON APR 24	0.051 ON SEP 4	86 900	1983
1984	78.3 AT 16 10 CST ON JUN 9	75.4 ON JUN 9	0.013 ON SEP 4	130 000	1984
1985	71.1 AT 10 01 CST ON APR 23	69.9 ON APR 23	0.074 ON AUG 26	132 000	1985
1986	73.0 AT 15 10 CST ON APR 9	63.1 ON APR 9	0.025 ON SEP 11	97 500	1986
				102 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ETOMAMI RIVER NEAR RESERVE - STATION NO. 05LB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.113	20.6	31.0	4.83	0.633	0.230	0.352	0.359	---	---	7.28	1955
1956	---	---	0.028	1.70	23.6	7.89	1.90	0.383	0.305	0.489	---	---	4.56	1956
1957	---	---	0.144	6.10	16.3	1.81	0.189	0.575	0.387	0.037	---	---	3.18	1957
1958	---	---	0.104	1.21	0.729	0.374	0.307	0.051	0.034	0.102	---	---	0.382	1958
1959	---	---	0.283	2.32	2.32	1.80	2.81	0.267	2.03	3.25	---	---	1.85	1959
1960	---	---	0.667	10.4	13.5	5.37	1.23	0.243	0.087	0.220	---	---	4.07	1960
1961	---	---	0.183	0.576	1.24	0.117	0.004	0.003	0.003	0.005	---	---	0.286	1961
1962	---	---	0.014	3.07	2.22	0.207	0.107	0.053	0.188	0.083	---	---	0.740	1962
1963	---	---	0.011	5.34	0.789	0.785	0.274	0.110	0.288	0.392	---	---	0.985	1963
1964	---	---	0	3.32	7.08	0.346	0.213	0.180	0.889	0.485	---	---	1.54	1964
1965	---	---	0.057	5.28	13.6	29.5	6.42	0.504	1.49	1.21	---	---	7.31	1965
MEAN	---	---	0.146	5.45	10.2	4.93	1.26	0.235	0.532	0.801	---	---	2.91	MEAN

LOCATION - LAT. 52 28 50 N LONG 102 38 42 W
DRAINAGE AREA 1 100 km^2

ETOMAMI RIVER NEAR RESERVE - STATION NO. 05LB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	70.8 ON MAY 8 *	0.028 ON JUL 30	154 000	1955
1956	---	41.6 ON MAY 17	0 ON AUG 6 *	88 400	1956
1957	---	46.7 ON MAY 1	0 E ON JUL 1	87 700	1957
1958	---	2.80B ON APR 22	0 E ON AUG 19	7 880	1958
1959	---	12.7 ON JUN 28	0.028 ON AUG 29	39 400	1959
1960	---	25.8 ON APR 21	0.008 ON SEP 21	85 100	1960
1961	---	2.41 ON MAY 14	0.003 ON JUL 8	5 630	1961
1962	---	15.6 B ON APR 24	0 ON OCT 27	15 700	1962
1963	---	14.3 B ON APR 15	0 B ON MAR 1	20 800	1963
1964	---	13.9 ON MAY 9	0 B ON MAR 1	32 700	1964
1965	---	68.0 E ON JUN 4	0.031 ON SEP 7	153 000	1965
				81 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EYEHILL CREEK NEAR MACKLIN - STATION NO 05GA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.003	---	---	---	1966
1967	---	---	0	0.155	0.520	0.155	0.037	0.001	0	0	---	---	0.109	1967
1968	---	---	0.302	0.050	0.008	0.004	0.001	0.001	0.083	0.127	---	---	0.072	1968
1969	---	---	0	2.38	0.163	0.057	0	0	0	0.004	---	---	0.319	1969
1970	---	---	0	0.841	0.047	0.086	0.021	0.288	0.028	0	---	---	0.133	1970
1971	---	---	0	1.77	0.036	0.084	0.006	0.340	0.019	0.030	---	---	0.281	1971
1972	---	---	0.133	0.188	0.025	0.014	0	0	0.203	0.044	---	---	0.076	1972
1973	---	---	0	0.002	0.001	0.190	0.420	0.001	0.080	0.010	---	---	0.086	1973
1974	---	---	0	1.51	0.112	0.117	0	0.041	0.008	0	---	---	0.220	1974
1975	---	---	0	0.002	0.726	0.286	0.051	0.026	0.005	0.001	---	---	0.138	1975
1976	---	---	0	0.495	0.091	0.140	0.076	0	0.026	0.040	---	---	0.107	1976
1977	---	---	0	0.003	0.002	0.002	0.006	0.004	0	0	---	---	0.002	1977
1978	---	---	0	0.002	0.001	0	0.018	0	0.001	0	---	---	0.003	1978
1979	---	---	0	0.506	0.237	0.001	0	0	0	0	---	---	0.082	1979
1980	---	---	0.003	0.313	0.138	0	0	0	0	0	---	---	0.056	1980
1981	---	---	0.018	0.372	0.112	0.001	0.011	0.449	0.152	0.001	---	---	0.139	1981
1982	---	---	0	0.010	0.212	0.118	0.001	0	0	0.003	---	---	0.043	1982
1983	---	---	0.036	0.240	0.002	0	0.241	0.020	0.002	0	---	---	0.057	1983
1984	---	---	0.258	0.338	0.022	0.049	0	0	0	0	---	---	0.083	1984
1985	---	---	0.543	1.36	0.284	0.080	0.003	0	0	0	---	---	0.279	1985
1986	---	---	0.128	0.052	0.083	0.044	0.071	0.020	0	0.011	---	---	0.049	1986
MEAN	---	---	0.071	0.520	0.139	0.070	0.048	0.059	0.029	0.013	---	---	0.118	MEAN

LOCATION - LAT 52 19 08 N DRAINAG. AREA 10 100 km²
LONG 109 55 41 W REGULATED

EYEHILL CREEK NEAR MACKLIN - STATION NO 05GA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	DE ON OCT 29 *	---	1966
1967	---	1.38 ON APR 30	0B ON MAR 1	2 300	1967
1968	---	0.8898 ON MAR 1	0 ON JUN 24	1 530	1968
1969	13.8 B AT 11 30 CST ON APR 12 *	13.6 ON APR 13 *	0B ON MAR 1	6 780	1969
1970	3.14 B AT 08 40 CST ON APR 11	2.68 B ON APR 12	0B ON MAR 1	2 810	1970
1971	12.4 AT 07 53 CST ON APR 18	10.3 ON APR 18	0B ON MAR 1	5 980	1971
1972	1.84 AT 09 08 CST ON APR 6	0.884 ON APR 6	0B ON MAR 1	1 610	1972
1973	1.07 AT 15 30 CST ON JUL 10	1.04 ON JUL 10	0B ON MAR 1	1 820	1973
1974	8.88 AT 18 04 CST ON APR 21	6.27 ON APR 21	0B ON MAR 1	4 850	1974
1975	1.12 AT 23 03 CST ON MAY 4	1.11 ON MAY 5	0B ON MAR 1	2 910	1975
1976	1.03 AT 13 39 CST ON APR 7	0.951 ON APR 7	0B ON MAR 1	2 270	1976
1977	---	0.122 ON JUL 1	0B ON MAR 1	45.6	1977
1978	0.102 ON JUL 9	0.102 ON JUL 9	0B ON MAR 1	80.3	1978
1979	0.8388 AT 19 19 CST ON APR 15	0.8248 ON APR 11	0B ON MAR 1	1 950	1979
1980	0.888 AT 10 06 CST ON APR 18	0.883 ON APR 18	0B ON MAR 1	1 190	1980
1981	1.43 AT 13 00 CST ON APR 17	1.18 ON APR 18	0B ON MAR 1	2 940	1981
1982	---	0.4892E ON MAY 22	0B ON MAR 1	907	1982
1983	2.03 AT 23 27 CST ON APR 6	1.49 ON APR 7	0B ON MAR 1	1 420	1983
1984	1.93 AT 19 06 CST ON APR 1	1.82 ON APR 1	0B ON MAR 1	1 750	1984
1985	5.33 B AT 02 26 CST ON APR 4	4.72 B ON APR 3	0B ON MAR 1	5 890	1985
1986	0.5388 AT 11 27 CST ON MAR 17	0.4898 ON MAR 17	0B ON MAR 1	1 030	1986
				2 490	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EYEHILL CREEK NEAR YONKER - STATION NO 05GA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	1.02	0.518	0.312	0.180	0.248	0.304	---	---	---	1920
1921	---	---	---	3.65	1.16	0.411	0.277	0.164	0.233	0.194	---	---	---	1921
1922	---	---	---	0.930	0.645	0.257	0.155	0.130	0.123	0.142	---	---	---	1922
1923	---	---	---	0.270	0.369	0.319	0.381	0.385	0.172	0.196	---	---	---	1923
1924	---	---	---	0.122	1.15	0.888	0.258	0.136	0.127	0.141	---	---	---	1924
1925	---	---	0.058	1.31	0.355	0.329	0.144	0.094	0.100	---	---	---	---	1925
1926	---	---	0.072	0.704	0.328	0.267	0.085	0.104	0.109	0.108	---	---	0.220	1926
1927	---	---	0	1.01	0.643	0.801	0.507	0.257	0.257	0.809	---	---	0.484	1927
1928	---	---	0.185	1.79	0.859	0.489	0.318	0.128	0.115	0.145	---	---	0.502	1928
1929	---	---	0	0.321	0.813	0.242	0.133	0.068	0.092	0.151	---	---	0.202	1929
1930	---	---	---	0.445	0.260	0.424	0.753	0.154	0.148	0.233	---	---	---	1930
1938	---	---	0.038	1.10	0.430	0.159	---	---	---	---	---	---	---	1938
MEAN	---	---	0.059	1.05	0.554	0.407	0.302	0.182	0.157	0.222	---	---	0.352	MEAN

LOCATION - LAT 52 38 02 N DRAINAGE AREA 10 700 km²
LONG 109 39 34 W NATURAL FLOW

EYEHILL CREEK NEAR YONKER - STATION NO 05GA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR 10 OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0.147 ON OCT 25	---	1919
1920	---	---	---	---	1920
1921	---	15.7 ON APR 17 *	0 B ON APR 1 *	---	1921
1922	---	1.93 B ON APR 5	0 B ON APR 1	---	1922
1923	---	0.7088 ON APR 22	0 B ON APR 1	---	1923
1924	---	1.36 ON MAY 4	0 B ON APR 1	---	1924
1925	---	2.94 ON APR 13	0 ON MAR 1	---	1925
1926	---	3.03 B ON APR 18	0 B ON APR 1	4 860	1926
1927	---	2.32 ON APR 28	0 B ON MAR 1	10 300	1927
1928	---	5.24 ON APR 25	0 B ON MAR 1	10 600	1928
1929	---	1.38 B ON MAY 1	0 B ON MAR 1	4 280	1929
1930	---	1.24 ON JUL 2	---	---	1930
1936	---	4.70 B ON APR 20	---	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 460	MEAN

FAHLMAN CREEK NEAR DAVIN - STATION NO 05JF008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	0.113	0.004	---	---	---	---	---	---	---	---	1951
1952	---	---	0.085	0.076	0	0	0	0	0.003	0	---	---	0.018	1952
1953	---	---	0.137	0.018	0	0.028	0.005	0.004	0	0	0	---	0.025	1953
1954	---	0.003	0.002	0.101	0.001	0.006	0.001	0	0.001	0	0	---	0.014	1954
1955	0	0	0.066	0.139	0.008	0	0.248	0	0	0	0	0	0.058	1955
1956	0	0	0	0.374	0.011	0.011	0	0	0	0	0	0	0.049	1956
1957	0	0	0.150	0.014	0	0	0.001	0	0	0	0	0	0.022	1957
1958	0	0	0.095	0.007	0	0	0	0	0	0	0	0	0.013	1958
1959	---	---	0.002	0	0	0.028	0	0	0	0	---	---	0.004	1959
1960	---	---	0.015	0.187	0	0	0	0.004	0	0	---	---	0.023	1960
1961	---	---	0.011	0.004	0.001	0	0	0	0	0	---	---	0.002	1961
1962	---	---	0.002	0.131	0	0	0	0	0	0	---	---	0.015	1962
1963	---	---	0.020	0	0	0	0	0	0	0	---	---	0.003	1963
1964	---	---	0.021	0.017	0	0	0	0	0	0	---	---	0.005	1964
1965	---	---	0	0.118	0	0	0	0	0	0	---	---	0.014	1965
1966	---	---	0.154	0.021	0	0	0	0	0	0	---	---	0.022	1966
1967	---	---	0	0.174	0	0	0	0	0	0	---	---	0.021	1967
1968	---	---	0.031	0	0	0	0	0	0	0	---	---	0.004	1968
1969	---	---	0	0.254	0	0	0	0	0	0	---	---	0.031	1969
1970	---	---	0.007	0.185	0.027	0	0	0	0	0	---	---	0.024	1970
1971	---	---	0	0.368	0	0	0	0	0	0	---	---	0.045	1971
1972	---	---	0.143	0.030	0.001	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.002	0.001	0.001	0.084	0.157	0	0	0	---	---	0.028	1973
1974	---	---	0	0.485	0.035	0.002	0.003	0.001	0	0.001	---	---	0.066	1974
1975	---	---	0.001	0.285	0.003	0.001	0	0	0	0	---	---	0.036	1975
1976	---	---	0.035	0.294	0.001	0.006	0	0	0	0	---	---	0.041	1976
1977	---	---	0.003	0.001	0.001	0.001	0.004	0	0	0	---	---	0.001	1977
1978	---	---	0.084	0.022	0.006	0.001	0	0	0	0	---	---	0.012	1978
1979	---	---	0	0.270	0.006	0.001	0	0	0	0.001	---	---	0.034	1979
1980	---	---	0.021	0.040	0.002	0	0	0.001	0.001	0.001	---	---	0.008	1980
1981	---	---	0.001	0.001	0	0.001	0	0	0	0.001	---	---	0.001	1981
1982	---	---	0	0.201	0.001	0	0.001	0	0	0.001	---	---	0.025	1982
1983	---	---	0	0.102	0.002	0	0.178	0.001	0	0.001	---	---	0.036	1983
1984	---	---	0.013	0.004	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.188	0.075	0.001	0	0	0	0.001	0	---	---	0.033	1985
1986	---	---	0.030	0.001	0.003	0	0	0	0	0.001	---	---	0.004	1986
MEAN	0	0.001	0.037	0.113	0.003	0.004	0.017	0	0	0	0	0	0.022	MEAN

LOCATION - LAT 50 22 10 N
LONG 104 11 30 W

DRAINAGE AREA 15.3 km^2
REGULATED

PAHLMAN CREEK NEAR DAVIN - STATION NO 05JF008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	0.885 ON APR 24	0 ON APR 3 *	---	1951
1952	---	1.30 ON MAR 31	0 ON MAR 1	382	1952
1953	---	1.39 ON MAR 29	0 ON MAR 1	523	1953
1954	---	0.886 ON APR 6	0 ON MAR 1	291	1954
1955	27.9 AT 03:00 CST ON JUL 12	6.80 ON JUL 12 *	0 ON MAR 1	1 220	1955
1956	---	2.81 ON APR 13	0 ON MAR 1	1 030	1956
1957	---	1.93 ON MAR 21	0 ON MAR 1	487	1957
1958	---	0.985 ON MAR 26	0 ON MAR 1	272	1958
1959	---	0.521 ON JUN 26	0 ON MAR 1	78.8	1959
1960	3.17 AT 15:00 CST ON APR 3	1.57 ON APR 3	0 ON MAR 1	486	1960
1961	0.326 AT 18:00 CST ON MAR 22	0.096 ON MAR 22	0 ON MAR 1	43.5	1961
1962	---	0.852 ON APR 5	0 ON MAR 1	345	1962
1963	---	0.286 ON MAR 21	0 ON MAR 1	53.3	1963
1964	1.13 ON MAR 15	0.289 ON APR 1	0 ON MAR 1	101	1964
1965	2.27 ON APR 8	1.51 ON APR 8	0 ON MAR 1	307	1965
1966	---	1.82 ON MAR 28	0 ON MAR 1	467	1966
1967	---	1.13 ON APR 12	0 ON MAR 1	451	1967
1968	---	0.348 ON MAR 8	0 ON MAR 1	83.5	1968
1969	---	2.22 ON APR 10	0 ON MAR 1	858	1969
1970	2.56 ON APR 6	1.80 ON APR 6	0 ON MAR 1	517	1970
1971	---	2.85 ON APR 9	0.8 ON MAR 1	957	1971
1972	2.23 AT 01:45 CST ON MAR 23	1.12 ON MAR 22	0.8 ON MAR 1	463	1972
1973	31.7 AT 22:00 CST ON JUN 30 *	3.82 ON JUL 1	0.8 ON MAR 1	595	1973
1974	5.40 AT 18:45 CST ON APR 18	3.88 ON APR 18	0.8 ON MAR 1	1 390	1974
1975	2.27 AT 18:07 CST ON APR 15	1.27 B ON APR 15	0.8 ON MAR 1	755	1975
1976	2.36 AT 18:45 CST ON APR 4	1.46 ON APR 5	0.8 ON MAR 1	872	1976
1977	0.292 AT 01:43 CST ON JUL 11	0.0548 ON MAR 20	0.8 ON MAR 1	28.7	1977
1978	---	0.5018 ON MAR 27	0.8 ON MAR 1	248	1978
1979	2.53 AT 15:44 CST ON APR 20	2.09 ON APR 20	0.8 ON MAR 1	723	1979
1980	---	0.2308 ON APR 1	0.8 ON MAR 1	171	1980
1981	0.0128 AT 18:00 CST ON MAR 10	0.0058 ON MAR 19	0.8 ON MAR 1	10.9	1981
1982	---	2.13 A ON APR 15	0.8 ON MAR 1	525	1982
1983	4.26 AT 23:04 CST ON JUL 20	1.67 ON JUL 21	0.8 ON MAR 1	757	1983
1984	---	0.0858 ON MAR 26	0.8 ON MAR 1	45.5	1984
1985	1.54 B AT 17:30 CST ON MAR 21	0.9488 ON MAR 21	0.8 ON MAR 1	707	1985
1986	---	0.1508 ON MAR 3	0 ON MAY 21	92.8	1986
				481	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FAIRWELL CREEK AT DRURY'S RANCH - STATION NO 11AC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	1.25	0.207	0.130	0.098	---	---	---	1909
1910	---	---	---	---	0.370	0.140	0.078	0.075	0.045	0.027	---	---	---	1910
1911	---	---	---	3.68	---	0.308	0.239	0.105	0.083	0.244	---	---	---	1911
1912	---	---	---	---	---	---	---	0.139	0.121	0.110	---	---	---	1912
1913	---	---	---	3.77	0.408	0.205	0.161	0.109	0.083	0.030	---	---	---	1913
1914	---	---	0.753	2.90	0.402	0.188	0.073	0.034	0.035	0.030	---	---	0.545	1914
1915	---	---	---	1.85	0.417	0.874	0.450	0.252	0.128	0.096	---	---	---	1915
1916	---	---	---	2.77	1.40	1.36	0.721	0.351	0.184	0.459	---	---	---	1916
1917	---	---	---	12.3	5.84	0.505	0.145	---	---	---	---	---	---	1917
1918	---	---	---	4.71	0.627	0.373	0.158	0.077	0.024	0.010	---	---	---	1918
1919	---	---	---	1.93	0.470	0.131	0.065	0.020	0.007	0.003	---	---	---	1919
1920	---	---	0.028	3.54	2.64	0.180	0.105	0.083	0.023	0.007	---	---	0.815	1920
1921	---	---	0.580	2.23	0.384	0.100	0.052	0.032	0.024	0.009	---	---	0.417	1921
1922	---	---	---	5.86	2.44	0.131	0.094	0.025	0.010	0.002	---	---	---	1922
1923	---	---	0.042	3.11	0.534	0.705	0.284	0.107	0.048	0.027	---	---	0.599	1923
1924	---	---	0.026	1.72	0.381	0.284	0.156	0.073	0.014	0.009	---	---	0.328	1924
1925	---	---	0.059	8.25	0.358	0.292	0.122	0.070	0.023	0.023	---	---	1.13	1925
1926	---	---	4.17	1.77	0.178	0.087	0.056	0.031	0.007	0.008	---	---	0.790	1926
1927	---	---	0.018	8.60	2.95	0.817	0.421	0.125	0.094	0.088	---	---	1.82	1927
1928	---	---	3.61	1.31	0.387	0.511	0.367	0.117	0.070	0.049	---	---	0.805	1928
1929	---	---	0.089	3.39	0.892	0.494	0.199	0.082	0.023	0.010	---	---	0.639	1929
1930	---	---	0.845	5.01	0.373	0.220	0.220	0.078	0.033	0.010	---	---	0.838	1930
1931	---	---	0.179	0.412	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.885	3.85	1.12	0.384	0.258	0.103	0.057	0.084	---	---	0.775	MEAN

LOCATION - LAT 49 30 25 N, LONG 109 13 31 W DRAINAGE AREA, 342 km^2, NATURAL FLOW

FAIRWELL CREEK AT DRURY'S RANCH - STATION NO. 11AC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	14.5 ON APR 10	---	---	1911
1912	---	---	---	---	1912
1913	---	10.0 ON APR 7	---	---	1913
1914	---	8.72 ON APR 12	0.014E ON MAR 1	11 600	1914
1915	---	8.33 ON APR 3	---	---	1915
1916	---	---	---	---	1916
1917	---	41.6 ON APR 21 *	---	---	1917
1918	---	16.7 ON MAR 27	---	---	1918
1919	---	6.88 ON APR 2	---	---	1919
1920	---	12.5 ON APR 28	0.001 ON SEP 30	17 300	1920
1921	---	13.8 ON APR 14	0.005 ON OCT 19	8 820	1921
1922	---	21.8 ON APR 21	0 ON SEP 21 *	---	1922
1923	---	12.2 ON APR 16	0.025 ON OCT 5	12 700	1923
1924	---	16.3 ON APR 7	0.006 ON SEP 29	6 950	1924
1925	---	27.4 B ON APR 5	0.020 ON SEP 9	23 900	1925
1926	---	20.7 ON MAR 18	0.006 ON SEP 3	16 800	1926
1927	---	23.1 ON APR 24	0 B ON MAR 1	34 300	1927
1928	---	28.3 ON MAR 21	0.045 ON OCT 8	17 000	1928
1929	---	14.8 ON APR 21	0.006B ON MAR 1	13 500	1929
1930	---	25.6 ON APR 6	0.006B ON OCT 17	17 700	1930
1931	---	---	---	---	1931
				16 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FAUQUIERS DITCH NEAR MAPLE CREEK - STATION NO. 05HA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.004	0.003	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.013	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1921	---	---	---	---	---	---	---	---	---	---	---	---	---	1921
MEAN	---	---	---	0.008	0.003	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 50 46 N
LONG 108 22 10 W REGULATED

FAUQUIERS DITCH NEAR MAPLE CREEK - STATION NO. 05HA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON APR 1 *	---	1915
1916	---	---	0 ON APR 1	---	1916
1917	---	---	0 ON JUL 19	---	1917
1918	---	---	0R ON JUL 17	---	1918
1919	---	---	0R ON JUN 9	---	1919
1921	---	---	0R ON MAR 8	---	1921
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

FEARON AND MOORHEAD BRIDGE CREEK DITCH NEAR SKULL CREEK - STATION NO. 05HA014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.004	0.010	0.001	---	---	---	---	---	---	---	1912
MEAN	---	---	---	0.004	0.010	0.001	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 52 04 N
LONG 108 55 13 W REGULATED

FEARON AND MOORHEAD BRIDGE CREEK DITCH NEAR SKULL CREEK - STATION NO. 05HA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON APR 1 *	---	1912
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FEARON AND MOORHEAD MAIN DITCH NEAR SKULL CREEK - STATION NO 05HA024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0.042	0.083	0.004	---	---	---	---	---	---	---	1912
MEAN	---	---	0	0.042	0.083	0.004	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 52 04 N
LONG 108 55 31 W REGULATED

FEARON AND MOORHEAD MAIN DITCH NEAR SKULL CREEK - STATION NO 05HA024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 22 *	---	1911
1912	---	---	0 ON MAR 1	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FEARON AND MOORHEAD SKULL CREEK DITCH - STATION NO 05HA023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.038	0.079	0.005	---	---	---	---	---	---	---	1912
MEAN	---	---	---	0.038	0.079	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 51 29 N
LONG 108 56 31 W REGULATED

FEARON AND MOORHEAD SKULL CREEK DITCH - STATION NO 05HA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON APR 1 *	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FIR RIVER NEAR HUDSON BAY - STATION NO 05LB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.082	6.13	5.86	0.501	---	---	---	---	---	---	---	1959
1960	---	---	---	5.06	9.24	2.76	0.005	---	---	---	---	---	---	1960
1961	---	---	---	0	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	2.87	8.52	0.749	---	---	---	---	---	---	---	1962
1963	---	---	---	2.27	0.941	---	---	---	---	---	---	---	---	1963
1964	---	---	---	1.49	3.38	0.411	0.440	0.798	1.85	2.75	---	---	---	1964
1965	---	---	0	2.79	6.22	8.55	5.50	2.35	2.10	1.91	---	---	---	1965
1968	---	---	0.759	1.67	4.11	5.00	8.61	1.89	2.50	1.53	---	---	---	1968
1969	---	---	0.227	3.41	1.45	0.804	1.48	0.655	0.262	2.99	---	---	---	1969
1970	---	---	0.109	1.74	7.27	5.04	7.57	1.02	0.811	1.70	---	---	---	1970
MEAN	---	---	0.235	2.75	5.22	2.98	4.10	1.30	1.50	2.18	---	---	---	MEAN

LOCATION - LAT 52 51 25 N DRAINAGE AREA 500 km^2
LONG 102 25 12 W NATURAL FLOW

FIR RIVER NEAR HUDSON BAY - STATION NO 05LB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	10.1 ON MAY 4	0 ON MAR 1 *	---	1959
1960	---	17.0 ON MAY 14	0 ON APR 1	---	1960
1961	---	---	0 ON APR 1	---	1961
1962	---	21.1 ON MAY 4	0 ON APR 1	---	1962
1963	---	5.66 ON APR 17	0 B ON APR 1	---	1963
1964	---	8.74 ON MAY 9	0 B ON APR 1	---	1964
1965	---	23.4 ON JUN 4	0 B ON MAR 1	---	1965
1968	---	40.5 ON JUL 3 *	0.1088 ON MAR 22	---	1968
1969	---	8.92 ON APR 15	0.122 ON AUG 28	---	1969
1970	---	17.8 E ON JUL 5	0.0968 ON MAR 1	---	1970
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	7.72	0.982	0.755	1.49	---	---	---	1970
1971	---	---	0.026	5.43	2.35	1.17	1.59	0.926	0.851	5.15	---	---	---	1971
1972	---	---	0.185	5.86	11.5	3.35	1.14	0.445	0.742	1.25	---	---	---	1972
1973	---	---	0.188	2.55	3.72	9.67	5.98	0.655	0.814	1.00	---	---	---	1973
1974	---	---	0.217	5.44	10.2	4.73	1.64	1.58	2.61	3.03	---	---	---	1974
1975	---	---	0.295	3.59	8.70	4.13	1.73	1.27	1.51	1.07	0.347	0.138	---	1975
1976	0.092	0.466	0.466	3.10	1.15	5.43	3.09	1.16	0.497	0.333	0.174	0.084	1.33	1976
1977	0.054	0.034	0.050	2.29	2.59	0.872	0.593	2.21	2.46	1.63	1.61	0.279	1.22	1977
1978	0.146	0.111	0.087	2.87	4.80	2.37	1.10	5.45	3.29	5.40	2.31	0.564	2.39	1978
1979	0.278	0.117	0.148	3.63	14.3	5.37	1.42	0.359	0.433	0.900	1.01	0.378	2.46	1979
1980	0.148	0.110	0.117	2.35	1.03	0.461	2.14	1.67	2.09	2.77	1.05	0.606	1.22	1980
1981	0.174	0.108	0.426	1.33	1.83	0.739	1.41	1.11	0.548	3.45	2.57	0.369	1.19	1981
1982	0.051	0.001	0.015	1.83	3.79	4.36	1.17	0.690	0.867	1.28	0.209	0.100	1.20	1982
1983	0.105	0.079	0.132	2.48	4.85	7.73	5.48	0.915	4.97	2.19	1.50	0.436	2.84	1983
1984	0.195	0.228	0.282	8.42	11.1	5.06	0.798	0.148	0.344	2.05	1.23	0.594	2.64	1984
1985	0.223	0.137	0.256	6.06	5.59	3.95	2.23	1.73	0.834	1.51	0.623	0.157	1.95	1985
1986	0.113	0.096	0.187	4.86	5.78	1.75	1.50	1.56	0.737	1.50	0.559	0.221	1.59	1986
MEAN	0.143	0.135	0.192	3.83	5.73	3.89	2.46	1.37	1.43	2.12	1.09	0.327	1.79	MEAN

LOCATION - LAT 52 49 59 N DRAINAGE AREA, 506 km²
LONG 102 23 44 W NATURAL FLOW

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	15.0 B AT 20 46 CST ON APR 16	12.5 ON APR 23	---	---	1971
1972	38.5 AT 12 47 CST ON MAY 1	37.1 ON MAY 1	---	---	1972
1973	19.3 AT 18 10 CST ON JUN 6	18.3 ON JUL 6	---	---	1973
1974	31.4 AT 02 34 CST ON APR 21	32.9 ON APR 21	---	---	1974
1975	15.3 B AT 05 34 CST ON APR 22	14.2 ON APR 29	---	---	1975
1976	13.6 AT 00 53 CST ON JUN 27	13.3 ON JUN 26	0 B ON JAN 21 *	42 100	1976
1977	---	6.13 ON APR 20	0.0318 ON JAN 21	38 400	1977
1978	14.8 AT 17 30 CST ON AUG 22	14.7 ON AUG 22	0.0798 ON MAR 5	75 300	1978
1979	36.8 AT 09 10 CST ON MAY 19 *	37.3 ON MAY 19 *	0.0358 ON FEB 1	77 400	1979
1980	6.32 AT 19 51 CST ON APR 21	6.17 ON APR 22	0.0172 ON MAR 10	38 400	1980
1981	6.61 AT 20 04 CST ON OCT 19	6.57 ON OCT 19	0.0078 ON FEB 23	37 800	1981
1982	---	11.8 E ON MAY 31	0 B ON JAN 23	37 900	1982
1983	17.2 B AT 14 41 CST ON APR 22	14.8 ON JUL 4	0.0598 ON FEB 13	83 300	1983
1984	29.5 AT 08 08 CST ON MAY 25	27.5 ON MAY 21	0.029 ON SEP 2	80 200	1984
1985	14.0 B AT 05 05 CST ON APR 11	12.0 ON APR 24	0.0978 ON FEB 14	61 400	1985
1986	15.0 B AT 01 09 CST ON APR 7	12.6 B ON APR 6	0.0106 ON FEB 27	50 300	1986
				56 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO. 05JC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.231	0.502	---	---	---	---	---	---	---	---	---	1967
1970	---	---	1.20	---	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0.020	0.403	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	0.598	0.006	---	---	---	---	---	---	---	---	1974
1975	---	---	0.038	0.701	0.034	0	0	0	0	0	---	---	0.095	1975
1976	---	---	1.35	0.062	0	0	0	0	0	0	---	---	0.178	1976
1977	---	---	0	0	0.053	0	0	0	0	0	---	---	0.007	1977
1978	---	---	0.922	0.051	0.017	0.002	0	0	0	0	---	---	0.125	1978
1979	---	---	0.263	0.110	0.004	0	0	0	0	0	---	---	0.050	1979
1980	---	---	0.430	0.070	0	0	0	0	0	0	---	---	0.063	1980
1981	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1981
1982	---	0	0.250	1.23	0.057	0.022	0.080	0.010	0	0	---	---	0.201	1982
1983	---	---	0.597	0.158	0.091	0	0.557	0	0	0	---	---	0.177	1983
1984	---	0.012	0.039	0	0	0.015	0	0	0	0	---	---	0.007	1984
1985	---	0.004	0.348	0.033	0	0	0	0	0	0	---	---	0.048	1985
1986	---	0.386	0.075	0	0.001	0.175	0.002	0	0	0	---	---	0.031	1986
MEAN	---	0.101	0.288	0.251	0.020	0.018	0.053	0.001	0	0	---	---	0.062	MEAN

LOCATION - LAT 50 15 04 N DRAINAGE AREA, 87.0 km²
LONG 106 55 45 W NATURAL FLOW

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO 05JC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	2.61 ON APR 3	0B ON MAR 1 *	---	1971
1974	---	---	---	---	1974
1975	---	3.40 B ON APR 20	0B ON MAR 1	3 010	1975
1976	---	8.50 B ON MAR 16	0B ON MAR 1	3 770	1976
1977	---	0.425 ON MAY 21	0B ON MAR 1	141	1977
1978	---	5.88 B ON MAR 22	0B ON MAR 1	2 850	1978
1979	---	1.95 B ON MAR 19	0B ON MAR 1	1 050	1979
1980	8.51 AT 21:15 CST ON MAR 28	3.31 ON MAR 29	0B ON MAR 1	1 230	1980
1981	---	0.044 ON JUL 13	0 ON MAR 1	3.97	1981
1982	13.0 AT 17:54 CST ON APR 13 *	10.5 B ON APR 13 *	0B ON MAR 1	4 280	1982
1983	11.5 AT 08:37 CST ON JUL 9	5.14 ON JUL 9	0 ON MAY 5	3 740	1983
1984	1.348 AT 08:47 CST ON MAR 20	0.8138 ON MAR 20	0B ON MAR 2	146	1984
1985	4.008 AT 17:23 CST ON MAR 1	1.24 B ON MAR 1	0 ON APR 15	1 030	1985
1986	8.38 AT 13:57 CST ON JUN 17	3.02 A ON JUN 17	0 ON MAR 25	883	1986
				1 730	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO 07LE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	246	227	207	176	315	398	365	337	333	398	384	330	309	1983
1984	260	223	188	186	367	433	351	373	385	419	390	318	328	1984
1985	285	229	205	203	311	338	384	328	272	283	239	228	270	1985
1986	210	187	178	184	376	506	536	460	383	319	272	249	315	1986
1987	233	214	195	189	260	471	485	433	387	322	292	266	309	1987
1988	230	203	195	207	281	418	413	370	355	538	495	380	341	1988
1989	297	241	239	287	358	332	304	286	236	208	187	174	259	1989
1990	182	168	168	186	240	287	252	232	272	304	308	272	232	1990
1991	240	207	195	204	266	276	284	254	248	250	255	249	245	1991
1992	221	190	172	176	302	413	376	330	301	306	287	255	278	1992
1993	226	208	182	177	201	316	351	335	281	246	219	201	244	1993
1994	182	165	159	173	269	303	311	319	328	316	288	263	257	1994
1995	253	222	208	208	361	412	405	353	323	288	268	240	298	1995
1996	222	207	197	233	412	450	381	344	339	370	377	332	324	1996
1997	303	287	283	287	486	598	630	607	584	510	433	365	448	1997
1998	311	273	244	248	388	450	419	397	382	393	356	305	348	1998
1999	271	238	220	225	367	435	403	324	279	276	276	249	281	1999
2000	228	203	191	216	396	292	285	279	268	272	282	238	252	2000
2001	196	187	182	189	318	381	340	298	250	217	198	193	248	2001
2002	183	183	175	176	274	407	376	332	331	322	289	234	259	2002
2003	217	200	195	211	277	348	381	369	358	355	340	289	296	2003
2004	249	232	211	240	383	418	379	344	330	313	278	255	303	2004
2005	215	192	188	203	406	473	370	305	315	287	334	288	305	2005
2006	260	234	221	236	401	600	545	494	484	438	351	303	380	2006
MEAN	238	210	198	208	322	407	387	354	334	333	307	269	287	MEAN

LOCATION - LAT 59 08 50 N LONG 105 32 20 W DRAINAGE AREA 49 200 km^2 NATURAL FLOW

POND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO 07LE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	411 ON OCT 28	161 ON APR 3	9 780 000	1983
1984	---	489 ON JUN 6	178 ON APR 6	10 300 000	1984
1985	377 AT 16:30 CST ON JUL 11	371 ON JUL 12	193 ON APR 11	8 510 000	1985
1986	575 AT 05:00 CST ON JUL 5	586 ON JUL 5	172 ON APR 3	9 930 000	1986
1987	513A AT 22:30 CST ON JUN 14	507A ON JUN 15	185 ON APR 2	9 780 000	1987
1988	---	564 ON OCT 24	189 ON MAR 10	10 400 000	1988
1989	377 AT 01:00 CST ON MAY 26	368 ON MAY 17	188 ON DEC 27	8 150 000	1989
1990	320 AT 17:00 CST ON NOV 5	320 ON NOV 5	144 ON FEB 24	7 330 000	1990
1991	300 AT 19:43 CST ON MAY 14	306 ON MAY 13	180 ON MAR 22	7 730 000	1991
1992	430 AT 11:49 CST ON JUN 13	430 ON JUN 13	167 ON MAR 23	8 760 000	1992
1993	382 AT 20:13 CST ON JUL 30	379 ON JUL 26	159E ON MAY 5	7 770 000	1993
1994	340 AT 23:52 CST ON SEP 26	334 ON SEP 25	168 ON MAR 15	8 100 000	1994
1995	433 AT 11:28 CST ON JUN 27	426 ON MAY 26	185 ON APR 16	9 400 000	1995
1996	479 AT 22:24 CST ON JUN 3	475 ON JUN 3	193 ON APR 1	10 300 000	1996
1997	645 AT 20:26 CST ON JUL 3 *	637 ON JUN 29 *	260E ON APR 17	14 100 000	1997
1998	484 AT 19:42 CST ON JUN 15	459 ON JUN 13	237E ON MAR 20	10 800 000	1998
1999	484 AT 21:13 CST ON JUN 19	481 ON JUN 19	218 ON MAR 16	9 170 000	1999
2000	310 AT 10:19 CST ON MAY 24	308 ON MAY 24	187 ON MAR 22	7 870 000	2000
2001	409 AT 05:09 CST ON JUN 7	406 ON JUN 8	178 ON MAR 11	7 820 000	2001
2002	423 AT 19:13 CST ON JUN 21	421 ON JUN 21	122 ON MAR 23 *	8 150 000	2002
2003	410 AT 08:03 CST ON JUL 3	402 ON JUL 3	181 ON MAR 1	9 340 000	2003
2004	429 AT 11:25 CST ON JUN 6	428 ON JUN 6	200 ON APR 2	9 580 000	2004
2005	526 AT 00:20 CST ON JUN 2	520 ON MAY 30	184 ON MAR 6	9 810 000	2005
2006	---	527 ON JUN 9	218 ON MAR 17	12 000 000	2006
				9 390 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POND DU LAC RIVER AT STONY RAPIDS - STATION NO 07LE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	---	---	---	---	---	238	218	211	189	---	1946
1947	193	187	184	183	268	461	422	395	370	485	414	400	335	1947
1948	367	336	277	259	360	426	450	347	362	441	445	361	368	1948
1949	277	235	210	213	330	520	537	457	440	408	387	342	384	1949
1950	284	217	198	199	337	483	423	369	323	302	296	266	307	1950
1951	231	191	178	251	363	461	357	322	294	349	306	174	272	1951
1952	167	142	132	207	270	376	340	232	232	267	280	247	236	1952
1953	180	165	162	173	226	265	257	215	208	256	258	257	220	1953
1954	209	178	178	182	266	402	369	330	270	235	217	207	251	1954
1955	178	166	160	183	272	531	415	302	247	209	209	202	257	1955
1956	183	164	164	181	213	328	303	329	263	202	185	171	234	1956
1957	165	132	135	174	195	255	330	270	237	232	223	193	211	1957
1958	164	135	155	166	332	474	365	348	385	359	360	276	303	1958
1959	210	194	175	187	306	568	536	400	398	408	359	316	336	1959
1960	286	240	214	219	354	650	760	593	476	437	389	318	407	1960
1961	269	250	245	238	366	661	605	448	428	391	340	285	373	1961
1962	250	212	195	210	358	631	600	391	345	318	294	244	327	1962
1963	240	217	185	197	339	486	376	351	348	---	---	---	---	1963
MEAN	232	198	189	202	307	454	414	356	326	319	307	283	309	MEAN

LOCATION - LAT 59 16 00 N DRAINAGE AREA 50 000 km²
LONG 105 46 00 W NATURAL FLOW

POND DU LAC RIVER AT STONY RAPIDS - STATION NO 07LE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (000's³)	YEAR
1946	---	---	---	---	
1947	---	586 ON NOV 7	181E ON APR 2	10 600 000	1946
1948	---	478E ON OCT 25	261E ON APR 11	11 600 000	1947
1949	---	555 ON JUL 8	204 ON APR 11	11 600 000	1948
1950	---	492 ON JUN 18	176E ON APR 4	9 670 000	1949
1951	---	461 ON MAY 21	180E ON DEC 21	8 610 000	1950
1952	---	297 ON MAY 27	136E ON FEB 22	7 150 000	1951
1953	---	237 ON NOV 20	137E ON FEB 16	6 930 000	1952
1954	---	418 ON JUN 11	171E ON MAR 17	7 900 000	1953
1955	---	595 ON JUN 10	153E ON FEB 17	8 120 000	1954
1956	---	340E ON AUG 28	154E ON DEC 21	7 080 000	1955
1957	---	328 ON JUL 3	115E ON FEB 26 *	6 850 000	1956
1958	---	498 ON JUN 8	148E ON MAR 14	9 540 000	1957
1959	---	612 ON JUN 21	167E ON MAR 11	10 700 000	1958
1960	---	821 ON JUL 4 *	202A ON APR 15	12 800 000	1959
1961	---	748 ON JUN 8	238E ON APR 7	11 800 000	1960
1962	---	652 ON JUN 16	183E ON APR 2	10 300 000	1961
1963	---	---	---	---	1962
					1963
				9 450 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO 09CE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	16.6	11.4	29.0	20.6	13.5	---	1972
1973	10.6	9.88	9.15	10.6	27.8	36.1	48.6	28.7	23.7	30.9	22.6	16.0	22.4	1973
1974	14.1	11.9	10.7	28.7	70.4	41.1	93.9	39.0	28.3	25.1	22.6	16.9	30.5	1974
1975	15.0	13.1	11.0	10.5	43.3	35.9	38.3	32.2	24.9	18.0	14.5	11.3	21.6	1975
1976	10.1	9.05	8.14	9.04	10.1	13.2	184	70.6	37.9	28.2	23.7	16.7	33.9	1976
1977	13.7	11.9	10.7	20.9	36.4	64.3	33.2	32.7	18.5	20.5	16.2	13.1	22.8	1977
1978	10.6	9.40	8.22	8.34	64.7	84.6	41.2	28.3	24.1	40.2	28.9	21.6	30.6	1978
1979	15.9	13.3	11.9	11.6	42.6	48.9	40.1	34.3	40.4	38.4	34.2	33.8	29.6	1979
1980	15.8	13.4	11.2	10.0	21.3	11.8	13.0	16.3	14.5	24.0	18.0	11.9	15.9	1980
1981	10.3	9.40	8.76	9.56	44.6	38.1	30.4	13.3	9.88	8.82	6.78	7.30	16.0	1981
1982	6.91	5.52	5.13	5.30	46.3	45.8	34.5	33.0	30.9	14.2	11.2	9.43	18.2	1982
1983	8.48	8.12	7.68	8.15	17.1	57.5	32.6	19.4	10.9	12.4	11.8	8.98	15.7	1983
1984	8.04	7.46	7.21	13.5	19.8	18.7	13.4	11.0	8.30	8.92	8.27	7.83	10.9	1984
1985	6.81	6.11	5.88	8.57	66.0	33.3	21.0	21.0	14.0	11.7	9.89	7.10	20.2	1985
1986	6.07	5.38	4.85	5.90	35.9	35.7	52.8	46.1	21.9	15.6	13.2	10.6	21.3	1986
MEAN	11.0	9.58	8.82	11.9	39.4	36.9	44.6	28.5	21.2	21.0	17.6	13.3	22.1	MEAN

LOCATION - LAT 55 49 30 N DRAINAGE AREA 4 540 km²
LONG 105 45 20 W NATURAL FLOW

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO 06CE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	98.3 AT 19 17 CST ON JUL 12	85.4 ON JUL 12	8.81 ON MAR 28	707 000	1973
1974	142 AT 03 22 CST ON MAY 2	141 ON MAY 2	9.88 ON APR 5	986 000	1974
1975	92.4 AT 22 06 CST ON MAY 8	52.1 ON MAY 8	9.49 ON APR 19	686 000	1975
1976	303 AT 15 15 CST ON JUL 19 *	300 ON JUL 19 *	7.70 ON APR 3	1 070 000	1976
1977	77.0 AT 01 07 CST ON JUN 3	76.7 ON JUN 3	9.97 ON APR 3	716 000	1977
1978	96.3 AT 17 12 CST ON MAY 28	95.4 ON MAY 27	7.87 ON APR 7	967 000	1978
1979	---	72.8E ON MAY 27	10.5 ON APR 16	935 000	1979
1980	37.5 AT 21 30 CST ON APR 28	37.2 ON APR 29	10.5 ON JUN 23	502 000	1980
1981	83.9 AT 04 15 CST ON MAY 14	83.6 ON MAY 14	7.31A ON DEC 31	474 000	1981
1982	89.3 AT 21 42 CST ON MAY 10	88.7 ON MAY 11	4.89A ON APR 4	607 000	1982
1983	90.1 AT 04 30 CST ON JUN 11	89.7 ON JUN 11	7.31 ON APR 10	495 000	1983
1984	29.8 AT 21 09 CST ON MAY 29	25.6 ON MAY 29	8.49 ON OCT 15	344 000	1984
1985	106 AT 16 21 CST ON MAY 12	104 A ON MAY 12	5.75A ON MAR 21	536 000	1985
1986	75.8 AT 15 06 CST ON JUL 23	75.2 ON JUL 23	4.82 ON MAR 24 *	670 000	1986
				698 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER ABOVE EASTEND RESERVOIR - STATION NO 11AC018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	0.821	0.480	0.509	0.622	---	---	---	1912
1913	---	---	---	15.6	1.56	1.02	0.887	0.388	0.377	0.488	---	---	---	1913
1914	---	---	1.42	6.89	1.21	0.782	0.202	0.133	0.381	0.623	---	---	1.42	1914
1915	---	---	0.978	9.86	1.39	2.06	1.89	0.752	0.614	0.871	---	---	2.21	1915
1916	---	---	13.1	5.70	3.58	4.48	2.51	1.28	1.04	2.01	---	---	4.22	1916
1917	---	---	0.823	32.9	22.5	3.37	0.999	0.473	0.526	0.522	---	---	7.89	1917
1937	---	---	0.151	3.96	0.713	0.226	0.178	0.051	0.096	0.203	---	---	0.886	1937
1938	---	---	0.856	4.11	1.54	1.02	0.459	0.134	0.130	0.216	---	---	1.02	1938
1939	---	---	5.48	3.29	1.55	2.10	0.702	0.254	0.185	0.298	---	---	1.73	1939
1940	---	---	0.612	10.9	2.13	1.27	0.476	0.211	0.151	0.288	---	---	1.97	1940
1941	---	---	0.04	2.73	0.843	0.528	0.482	0.222	0.240	0.310	---	---	1.88	1941
1942	---	---	0.810	5.59	1.05	3.01	1.07	0.480	0.496	0.476	---	---	1.58	1942
1943	---	---	11.3	6.08	1.14	1.27	0.609	0.955	1.14	0.488	---	---	2.88	1943
1944	---	---	0.619	10.1	0.987	0.678	0.953	1.64	0.438	0.425	---	---	1.89	1944
1945	---	---	5.48	1.45	1.06	0.843	0.571	0.933	0.385	0.312	---	---	1.51	1945
1946	---	---	5.82	2.55	0.974	0.411	0.892	0.138	0.206	0.338	---	---	1.52	1946
1947	---	---	0.417	9.86	1.44	0.773	0.374	0.543	0.215	0.275	---	---	1.69	1947
1948	---	---	0.379	7.08	2.33	0.806	0.831	0.158	0.111	0.208	---	---	1.45	1948
1949	---	---	0.425	2.58	1.11	1.41	1.01	0.240	0.203	0.313	---	---	0.904	1949
1950	---	---	0.273	7.43	1.48	0.578	0.318	0.373	0.223	0.358	---	---	1.36	1950
1951	---	---	0.314	14.9	6.70	1.05	0.854	0.644	0.554	0.434	---	---	3.13	1951
1952	---	---	0.616	39.8	3.02	1.23	0.750	0.440	0.461	0.445	---	---	5.76	1952
1953	---	---	0.749	5.88	4.93	3.74	0.828	0.316	0.209	0.319	---	---	2.11	1953
1954	---	---	0.590	6.50	2.43	2.36	0.702	1.18	1.11	1.35	---	---	2.01	1954
1955	---	---	0.885	24.6	9.71	1.95	2.84	0.948	0.584	0.651	---	---	5.17	1955
1956	---	---	0.729	6.85	2.71	1.85	0.816	0.863	0.412	0.505	---	---	1.76	1956
1957	---	---	0.780	5.22	1.34	1.07	0.817	1.19	0.271	0.422	---	---	1.72	1957
1958	---	---	0.803	12.0	0.695	0.810	1.13	0.837	0.140	0.310	---	---	2.09	1958
1959	---	---	1.72	4.85	1.18	1.40	0.769	0.648	0.238	0.445	---	---	1.39	1959
1960	---	---	10.4	2.86	1.53	1.01	0.558	0.118	0.261	---	---	---	2.30	1960
1961	---	---	1.28	1.29	2.00	0.959	0.718	0.170	0.204	0.230	0.294	---	0.853	1961
1962	---	---	2.14	3.85	0.671	0.525	0.447	0.177	0.178	0.312	---	---	1.04	1962
1963	---	---	6.73	2.42	0.687	0.535	0.553	0.198	0.155	0.203	---	---	1.20	1963
1964	---	---	0.540	4.81	2.23	0.811	0.409	0.178	0.274	0.283	---	---	1.16	1964
1965	---	---	0.322	21.3	3.85	1.88	1.38	0.573	0.710	0.564	---	---	3.74	1965
1966	---	---	7.21	4.84	1.76	1.89	0.754	0.413	0.278	0.394	---	---	2.14	1966
MEAN	---	---	2.71	8.93	2.69	1.43	0.815	0.524	0.376	0.461	0.294	---	2.21	MEAN

LOCATION - LAT 49 29 25 N LONG 109 00 00 W DRAINAGE AREA 1 500 km^2 REGULATED INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER ABOVE EASTEND RESERVOIR - STATION NO 11AC018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1912	---		---		---		---	1912
1913	---		---		---		---	1913
1914	23.8	ON APR 12	20.9	ON APR 13	0.042	ON AUG 6	29 800	1914
1915	85.2 B	ON APR 4	75.6 B	ON APR 4	0.2838	ON MAR 22	45 700	1915
1916	---		25.3	ON MAR 27	0.736	ON SEP 23	89 300	1916
1917	118	ON APR 21	114	ON APR 22	0.357	ON AUG 23	183 000	1917
1937	24.8 B	ON APR 11	24.8 B	ON APR 11	0.011	ON AUG 26 *	14 800	1937
1938	19.1 AT 09:00 MST	ON APR 12	18.6	ON APR 12	0.091	ON SEP 4	21 800	1938
1939	28.6	ON MAR 25	26.0	ON MAR 25	0.147	ON AUG 27	36 800	1939
1940	51.7 AT 13:00 MST	ON APR 22	50.6	ON APR 22	0.088	ON SEP 4	41 700	1940
1941	43.0 B AT 17:00 MST	ON MAR 27	41.3 B	ON MAR 27	0.096	ON AUG 23	35 800	1941
1942	20.5 AT 06:00 MST	ON JUN 30	17.8 B	ON APR 13	0.1988	ON MAR 1	33 500	1942
1943	---		102	ON MAR 29	0.085	ON AUG 11	81 000	1943
1944	75.9 AT 17:00 MST	ON APR 15	60.6	ON APR 5	0.2278	ON MAR 1	42 100	1944
1945	42.5 B AT 15:30 MST	ON MAR 23	37.9 B	ON MAR 23	0.133	ON AUG 29	32 000	1945
1946	35.4 AT 11:30 MST	ON MAR 28	32.8	ON MAR 28	0.057	ON AUG 6	32 200	1946
1947	36.8 AT 12:30 MST	ON APR 11	32.8	ON APR 11	0.0288	ON MAR 5	35 700	1947
1948	29.7 AT 01:00 MST	ON APR 19	24.0	ON APR 19	0.065	ON AUG 27	30 800	1948
1949	12.9 B AT 12:00 MST	ON APR 9	8.128	ON APR 9	0.023	ON AUG 16	19 100	1949
1950	67.7 B AT 10:30 MST	ON APR 17	45.6 B	ON APR 18	0.110	ON SEP 7	38 800	1950
1951	88.6 AT 12:00 MST	ON APR 28	79.8	ON APR 28	0.1428	ON MAR 1	86 200	1951
1952	357 A AT 05:00 MST	ON APR 15 *	289	ON APR 15 *	0.2838	ON MAR 22	122 000	1952
1953	26.8 AT 07:30 MST	ON APR 24	24.8	ON APR 24	0.136	ON SEP 16	44 700	1953
1954	51.0 AT 05:45 MST	ON APR 14	32.3	ON APR 14	0.357	ON JUL 28	42 800	1954
1955	84.3 AT 15:30 MST	ON APR 10	53.0	ON APR 20	0.3888	ON MAR 1	110 000	1955
1956	35.7 AT 07:00 MST	ON APR 15	32.3	ON APR 15	0.345	ON SEP 19	37 400	1956
1957	34.8 AT 05:00 MST	ON APR 18	33.2	ON APR 18	0.136	ON AUG 25	38 400	1957
1958	79.8 AT 23:00 MST	ON APR 4	68.0 B	ON APR 4	0.054	ON AUG 17	44 300	1958
1959	30.6 B AT 19:00 MST	ON APR 2	17.4 B	ON APR 2	0.159	ON SEP 7	29 500	1959
1960	58.3 AT 16:00 MST	ON MAR 27	47.3 B	ON MAR 27	0.079	ON SEP 7	48 800	1960
1961	5.928 AT 07:30 MST	ON MAR 26	4.59	ON MAY 3	0.017	ON AUG 19	18 100	1961
1962	17.6 B AT 03:00 MST	ON APR 8	13.6 B	ON APR 8	0.110	ON AUG 19	22 100	1962
1963	30.3 B AT 21:00 MST	ON MAR 28	28.9 B	ON MAR 28	0.116	ON SEP 8	25 400	1963
1964	16.3 B AT 07:30 MST	ON APR 3	14.7 B	ON APR 3	0.116	ON AUG 18	24 800	1964
1965	81.6 AT 15:00 MST	ON APR 25	68.5	ON APR 25	0.2788	ON MAR 28	79 200	1965
1966	74.2 AT 21:00 MST	ON MAR 30	70.5	ON MAR 30	0.238	ON SEP 5	45 300	1966
							45 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT 50-MILE - STATION NO 11AC022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	11.0	1.34	0.862	0.096	0.009	0.140	0.411	---	---	---	1914
1915	---	---	---	11.7	1.53	2.86	1.82	0.775	0.807	0.880	---	---	---	1915
1916	---	---	---	11.6	4.22	5.77	7.21	2.07	0.995	2.01	---	---	---	1916
1917	---	---	---	40.5	25.4	3.86	1.17	0.430	0.588	0.858	---	---	---	1917
1918	---	---	---	21.8	4.46	1.72	0.877	0.479	0.242	0.544	---	---	---	1918
1919	---	---	0.198	5.49	1.76	0.908	0.056	0.018	0.159	0.346	---	---	1.06	1919
1920	---	---	2.22	13.7	3.44	2.11	1.19	0.394	0.223	0.348	---	---	3.87	1920
1921	---	---	---	---	2.72	0.819	0.500	0.137	0.275	0.402	---	---	---	1921
1922	---	---	0.074	22.7	10.2	1.70	1.53	0.726	0.385	0.393	---	---	4.67	1922
1923	---	---	0.550	5.84	1.98	3.25	0.973	0.580	0.218	0.331	---	---	1.83	1923
1924	---	---	0.164	5.05	1.74	1.36	0.841	0.495	0.136	0.390	---	---	1.36	1924
1925	---	---	2.39	17.8	2.83	1.83	0.746	0.247	0.300	0.868	---	---	3.33	1925
1926	---	---	10.7	5.39	1.19	0.814	0.397	0.021	0.145	0.311	---	---	2.35	1926
1927	---	---	0.986	28.8	14.9	5.94	3.07	1.23	0.795	0.856	---	---	7.15	1927
1928	---	---	15.0	9.55	3.42	2.46	3.02	0.978	0.700	0.774	---	---	4.49	1928
1929	---	---	1.13	8.17	3.86	2.28	0.844	0.142	0.188	0.405	---	---	2.06	1929
1930	---	1.88	4.33	11.4	2.47	1.09	0.783	0.237	0.294	0.582	---	---	2.83	1930
1931	---	---	1.17	1.89	0.771	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0.001	---	---	---	1935
1936	---	---	0.041	10.8	1.89	0.509	0.071	0	0	0	---	---	1.84	1936
1937	---	---	0.057	3.32	0.344	0.091	0	0	0	0	---	---	0.468	1937
1938	---	---	0.835	4.04	1.62	1.00	1.28	0.024	0	0.074	---	---	1.10	1938
1939	---	---	10.6	3.02	1.72	3.08	0.766	0.102	0	0.070	---	---	3.42	1939
1940	---	---	0.384	12.6	2.98	2.09	0.504	0.119	0.007	0.176	---	---	2.35	1940
1941	---	---	8.77	5.11	0.731	0.357	0.193	0.021	0.010	0.181	---	---	1.82	1941
1942	---	---	1.35	4.98	1.06	1.76	1.86	0.201	0.348	0.589	---	---	1.65	1942
1943	---	---	12.6	14.6	1.32	1.04	0.559	0.452	0.294	0.447	---	---	3.87	1943
1944	---	---	2.83	9.94	1.10	0.950	0.323	0.543	0.829	0.992	---	---	2.05	1944
1945	---	---	10.3	1.70	1.10	0.585	0.212	0.319	0.148	0.224	---	---	1.84	1945
1946	---	---	5.52	2.52	0.744	0.279	0.084	0	0	0.120	---	---	1.39	1946
1947	---	---	1.20	9.89	1.81	0.754	0.219	0.270	0.109	0.102	---	---	1.72	1947
1948	---	---	1.50	7.07	2.74	0.710	0.294	0.158	0	0	---	---	1.85	1948
1949	---	---	0.374	2.40	0.483	0.845	0.574	0.086	0	0.080	---	---	0.594	1949
1950	---	---	0	8.48	2.08	0.475	0.158	0.104	0.011	0	---	---	1.39	1950
1951	---	---	0.384	14.2	11.8	1.19	0.782	0.986	1.05	0.573	---	---	3.79	1951
1952	---	---	---	---	---	2.19	1.88	---	---	---	---	---	---	1952
1953	---	---	---	---	5.57	5.34	---	---	0.182	0.103	---	---	---	1953
1954	---	---	---	---	2.37	2.86	0.595	2.26	---	---	---	---	---	1954
1955	---	---	---	---	10.6	1.91	4.03	---	---	---	---	---	---	1955
1964	---	---	---	---	---	---	---	0.005	0.151	0.210	---	---	---	1964
1965	---	---	---	---	---	1.28	1.91	0.857	1.46	0.734	---	---	---	1965
1966	---	---	---	---	1.90	0.841	0.831	0.471	0.207	0.209	---	---	---	1966
1967	---	---	---	---	---	---	0.378	0.290	0.184	0.355	---	---	---	1967
1968	---	---	---	---	1.32	0.414	0.298	0.275	0.951	0.468	---	---	---	1968
1969	---	---	---	---	2.38	0.546	1.13	0.290	0.183	0.785	---	---	---	1969
MEAN	---	1.88	3.44	10.8	3.79	1.71	1.05	0.411	0.294	0.393	---	---	2.37	MEAN

LOCATION - LAT 49 24 37 N DRAINAGE AREA 3 080 km²
LONG 108 00 45 W REGULATED SINCE 1937

FRENCHMAN RIVER AT 90-MILE - STATION NO 11AC023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	26.9 B ON APR 6	0 ON AUG 15 *	---	1914
1915	86.4 B ON APR 7	64.8 B ON APR 7	---	---	1915
1916	121 ON JUL 3	82.1 ON JUL 3	---	---	1916
1917	112 ON APR 25	109 ON APR 25 *	---	---	1917
1918	---	---	---	---	1918
1919	---	17.0 B ON APR 7	0 ON JUL 30	22 300	1919
1920	71.9 AT 07 00 MST ON APR 23	65.7 ON APR 23	0 B ON MAR 1	77 600	1920
1921	---	---	---	---	1921
1922	77.0 ON APR 25	70.8 ON APR 25	0 B ON MAR 1	98 900	1922
1923	37.9 AT 15 45 MST ON APR 18	27.0 ON APR 18	0 1538 ON MAR 14	38 800	1923
1924	30.6 AT 11 45 MST ON APR 11	28.9 ON APR 11	0 B ON MAR 1	28 800	1924
1925	85.4 AT 13 45 MST ON APR 8	62.0 ON APR 8	0 B ON MAR 1	70 300	1925
1926	53.0 AT 18 00 MST ON MAR 21	49.0 ON MAR 21	0 001 ON AUG 11	49 800	1926
1927	85.6 AT 10 40 MST ON APR 30	83.8 ON APR 30	0 B ON MAR 1	151 000	1927
1928	92.8 B AT 08 00 MST ON MAR 23	70.8 B ON MAR 23	0 5049 ON MAR 1	94 900	1928
1929	24.5 AT 16 00 MST ON APR 24	24.3 ON APR 24	0 025 ON SEP 5	44 100	1929
1930	53.5 AT 18 30 MST ON APR 7	43.1 ON APR 7	0 082 ON SEP 10	55 700	1930
1931	---	6.14 ON APR 4	0 5328 ON MAR 12	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	30.6 ON APR 17	23.4 ON APR 18	0 B ON MAR 1	34 800	1936
1937	25.8 ON APR 14	24.6 ON APR 14	0 B ON MAR 1	9 910	1937
1938	31.7 A AT 08 00 MST ON APR 14	24.7 A ON APR 14	0 B ON MAR 1	23 300	1938
1939	59.7 B AT 08 00 MST ON MAR 23	54.9 A ON MAR 24	0 B ON MAR 1	51 200	1939
1940	51.5 AT 14 00 MST ON APR 25	43.8 ON APR 25	0 005 ON SEP 6	43 700	1940
1941	43.9 AT 09 00 MST ON MAR 31	41.1 ON MAR 31	0 ON AUG 17	40 800	1941
1942	16.1 AT 12 30 MST ON APR 16	15.7 ON APR 16	0 119 ON AUG 8	30 700	1942
1943	85.2 AT 01 00 MST ON APR 4	80.1 ON APR 3	0 119 ON OCT 1	81 800	1943
1944	55.5 AT 21 40 MST ON APR 8	53.4 ON APR 8	0 181 ON JUL 28	43 400	1944
1945	38.2 AT 07 15 MST ON MAR 26	36.2 ON MAR 26	0 E ON AUG 3	38 900	1945
1946	27.4 AT 01 00 MST ON MAR 31	25.6 ON MAR 30	0 ON AUG 2	27 200	1946
1947	30.9 AT 22 30 MST ON APR 13	29.2 ON APR 13	0 0288 ON MAR 1	36 400	1947
1948	34.2 AT 16 00 MST ON APR 21	22.8 ON APR 21	0 ON SEP 3	32 700	1948
1949	6.85 AT 04 30 MST ON APR 13	5.92 ON APR 12	0 B ON MAR 1	12 600	1949
1950	46.4 A ON APR 20	45.9 A ON APR 20	0 B ON MAR 1	29 500	1950
1951	61.4 A AT 07 00 ON MAY 3	58.3 ON MAY 2	0 1984 ON MAR 1	80 300	1951
1952	388 ON APR 19 *	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1964	---	---	0 ON AUG 6	---	1964
1965	9.15 AT 17 00 MST ON JUN 29	---	---	---	1965
1966	4.56 AT 23 00 MST ON MAY 8	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
				50 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT BUZZARD'S RANCH - STATION NO 11AC027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	16.4	1.44	1.38	0.182	0.102	0.157	0.842	---	---	---	1914
1915	---	---	---	14.1	4.87	1.95	1.79	0.836	0.826	0.791	---	---	---	1915
MEAN	---	---	---	14.2	3.06	1.67	0.986	0.519	0.392	0.782	---	---	---	MEAN

LOCATION - LAT 49 06 00 N
LONG 107 24 00 W
DRAINAGE AREA, 5 180 km^2
NATURAL FLOW

FRENCHMAN RIVER AT BUZZARD'S RANCH - STATION NO 11AC027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	33.18 ON APR 7	0 ON AUG 9 *	---	1914
1915	---	44.7 ON APR 10 *	---	---	1915
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT DRURY'S RANCH - STATION NO 11AC040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	3.88	1.06	0.514	0.182	0.101	0.079	0.097	---	---	---	1918
1919	---	---	---	0.718	0.148	0.060	0.018	0.020	0.064	0.059	---	---	---	1919
1920	---	---	0.113	3.53	5.22	0.437	0.223	0.062	0.077	0.095	---	---	1.22	1920
1921	---	---	0.202	2.07	0.718	0.163	0.086	0.054	0.071	0.091	---	---	0.429	1921
1922	---	---	0.027	4.35	3.05	0.411	0.209	0.128	0.101	0.113	---	---	1.04	1922
1923	---	---	0.036	0.841	0.250	0.328	0.145	0.083	0.085	0.089	---	---	0.229	1923
1924	---	---	0.052	0.731	0.132	0.158	0.087	0.041	0.015	0.054	---	---	0.155	1924
1925	---	---	0.080	3.01	0.517	0.259	0.085	0.085	0.106	0.094	---	---	0.523	1925
1926	---	---	0.925	0.384	0.083	0.018	0.005	0.002	0.010	0.040	---	---	0.185	1926
1927	---	---	0.063	3.47	4.97	2.01	0.704	0.355	0.284	0.274	---	---	1.51	1927
1928	---	---	2.79	1.98	0.994	0.572	0.484	0.172	0.127	0.138	---	---	0.902	1928
MEAN	---	---	0.476	2.28	1.58	0.448	0.201	0.100	0.092	0.105	---	---	0.888	MEAN

LOCATION - LAT 49 29 52 N DRAINAGE AREA 585 km²
LONG 109 19 18 W NATURAL FLOW

FRENCHMAN RIVER AT DRURY'S RANCH - STATION NO 11AC040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	---	14.8 ON APR 28	0.045 ON AUG 27	35 800	1920
1921	---	11.5 ON APR 14	0.005 ON SEP 1	9 080	1921
1922	---	33.7 ON APR 23 *	0 B ON MAR 1 *	22 100	1922
1923	---	3.20 ON APR 17	0.023B ON MAR 1	4 850	1923
1924	---	8.27B ON APR 7	0.003 ON AUG 29	3 280	1924
1925	---	10.6 B ON APR 5	0.028B ON MAR 1	11 100	1925
1926	---	3.31B ON MAR 18	0 ON JUL 17	3 920	1926
1927	---	16.3 ON APR 26	0.057B ON MAR 1	32 000	1927
1928	---	14.3 ON MAR 21	0.071B ON MAR 1	19 100	1928
				14 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT HIGHWAY NO 37 - STATION NO 11AC067

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	1.45	0.521	0.144	0.130	0.143	---	---	---	1983
1984	---	---	---	---	---	0.288	0.500	0.098	0.251	0.304	---	---	---	1984
1985	---	---	---	---	---	---	---	1.02	1.35	0.724	---	---	---	1985
1986	---	---	---	---	---	0.780	0.429	0.851	0.288	0.212	---	---	---	1986
1987	---	---	---	---	---	1.14	0.385	0.395	0.210	0.373	---	---	---	1987
1988	---	---	---	---	1.00	0.289	0.387	0.401	0.518	0.442	---	---	---	1988
1989	---	---	---	---	1.79	0.440	0.989	0.211	0.186	0.759	---	---	---	1989
MEAN	---	---	---	---	1.40	0.728	0.595	0.417	0.413	0.422	---	---	---	MEAN

LOCATION - LAT 49 20 05 N DRAINAGE AREA 2 350 km²
LONG 108 24 56 W REGULATED SINCE 1908

FRENCHMAN RIVER AT HIGHWAY NO 37 - STATION NO 11AC067

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	---	---	---	---	1983
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1986	1.85 AT 08 00 MST ON JUL 3	---	---	---	1986
1987	---	---	---	---	1987
1988	2.34 AT 21 00 MST ON JUN 30	---	---	---	1988
1989	---	---	---	---	1989
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER AT HUFF'S RANCH - STATION NO 11AC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.209	0.055	0	0	0	---	---	---	1910
MEAN	---	---	---	---	---	0.209	0.055	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 21 47 N
LONG 107 51 30 W NATURAL FLOW

FRENCHMAN RIVER AT HUFF'S RANCH - STATION NO 11AC010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 0N JUL 25 *	---	1910
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO 11AC041

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	44 8	28 2	4 49	1 36	0 511	0 749	0 784	0 857	---	---	1917
1918	---	---	---	24 1	4 87	1 96	0 951	0 681	0 329	0 650	0 855	---	---	1918
1919	---	---	0 329	9 85	2 15	0 904	0 146	0 100	0	0 155	---	---	1 88	1919
1920	---	---	5 86	14 0	12 2	2 40	1 24	0 328	0 157	0 240	---	---	4 88	1920
1921	---	---	5 22	9 56	3 09	1 76	2 07	0 154	0 237	0 372	---	---	2 79	1921
1922	---	---	---	31 6	15 1	2 97	2 02	0 826	0 300	0 302	---	---	---	1922
1923	---	---	0 802	8 56	3 08	25 1	4 96	1 18	0 227	0 389	---	---	5 43	1923
1924	---	---	0 223	7 72	2 28	2 49	0 656	0 536	0 080	1 35	---	---	1 90	1924
1925	---	---	17 8	34 6	3 89	3 70	0 954	0 248	0 420	0 888	---	---	7 89	1925
1926	---	---	17 4	6 18	1 41	0 804	0 452	0 018	0 261	0 319	---	---	3 24	1926
1927	---	---	2 97	41 3	29 8	13 5	3 28	1 18	0 835	1 01	---	---	11 6	1927
1928	---	---	22 4	13 9	4 00	3 51	3 58	1 21	0 795	0 713	---	---	6 26	1928
1929	---	---	1 22	6 84	4 40	2 43	0 801	0 110	0 010	0 289	---	---	2 00	1929
1930	---	---	11 7	18 4	2 81	0 985	0 727	0 152	0 303	0 444	---	---	4 62	1930
1931	---	---	0 852	1 91	0 828	0 569	1 18	0 055	0 001	0	---	---	0 672	1931
1932	---	---	4 86	7 74	1 74	4 57	0 523	0 527	0 181	0 188	---	---	2 53	1932
1933	---	---	5 51	5 48	2 53	0 852	0 416	0 495	0 053	0 188	---	---	1 94	1933
1934	---	---	2 74	5 08	0 817	0 718	0 122	0	0	0	---	---	1 17	1934
1935	---	---	2 70	10 5	2 14	0 883	1 81	0 274	0	0	---	---	2 27	1935
1936	---	---	0 068	15 7	2 78	0 598	0 027	0	0	0	---	---	2 36	1936
1937	---	---	0 008	1 16	0 072	0 011	1 18	0	0	0 001	---	---	0 289	1937
1938	---	---	2 86	4 42	0 980	1 52	4 23	0 008	0 048	0	---	---	1 75	1938
1939	---	---	18 4	5 00	7 35	16 5	1 84	0 362	0 040	0 024	---	---	6 15	1939
1940	---	---	0 042	20 4	5 08	5 40	0 624	0 182	0 011	0 535	---	---	3 97	1940
1941	---	---	9 80	9 43	0 770	0 806	0 501	0 205	0 162	0 162	---	---	2 72	1941
1942	---	---	4 84	4 89	0 856	4 49	4 09	0 330	0 195	0 295	---	---	2 47	1942
1943	---	---	24 3	25 4	2 23	2 46	1 11	0 124	0 031	0 150	---	---	6 55	1943
1944	---	---	2 75	12 4	1 27	0 549	0 359	0 387	0 281	1 35	---	---	2 39	1944
1945	---	---	6 57	1 70	1 06	0 620	0 475	0 241	0 018	0 005	---	---	1 24	1945
1946	---	---	4 99	3 50	0 588	0 357	0 355	0 017	0	0 206	---	---	1 25	1946
1947	---	---	2 59	10 3	1 56	0 412	0 282	0 246	0 371	0 695	---	---	2 04	1947
1948	---	---	1 48	6 25	2 32	0 542	0 436	0 708	0 082	0	---	---	1 46	1948
1949	---	---	0 672	1 03	0 454	0 207	0 881	0	0	0	---	---	0 378	1949
1950	---	0 019	0 069	23 3	2 58	1 20	0 212	0 487	0 017	0 385	---	---	3 48	1950
1951	---	---	0 155	19 8	16 1	1 28	1 29	0 986	1 87	0 737	---	---	5 24	1951
1952	---	---	0 744	150	4 80	1 84	5 23	1 41	1 53	0 834	---	---	20 5	1952
1953	---	---	1 26	2 03	10 7	11 4	1 49	0 317	0 022	0 074	---	---	3 40	1953
1954	---	---	0 573	20 8	2 58	4 86	1 20	2 82	0 648	2 10	---	---	4 37	1954
1955	---	---	1 18	39 6	16 5	3 05	17 0	1 22	0 685	0 695	---	---	9 84	1955
1956	---	---	2 65	7 18	2 64	1 78	0 714	0 500	0 323	0 177	---	---	1 98	1956
1957	---	---	2 32	7 25	1 86	0 985	0 154	0 040	0 037	0 052	---	---	1 65	1957
1958	---	---	2 00	20 6	1 08	0 694	0 209	0 094	0 039	0 003	---	---	3 04	1958
1959	---	---	8 19	3 84	1 14	1 84	0 607	0 308	0 001	0 042	---	---	1 95	1959
1960	---	---	15 8	8 94	2 30	0 889	0 259	0 218	0 006	0 110	---	---	3 56	1960
1961	---	---	2 97	0 538	0 448	0 295	0 023	0 033	0	0	---	---	0 643	1961
1962	---	---	2 18	4 00	1 22	1 12	8 73	0 475	0 087	0 358	---	---	2 28	1962
1963	---	---	5 38	4 46	0 911	3 00	1 29	0 818	0 188	0 019	---	---	1 97	1963
1964	---	---	0 319	1 29	2 10	0 708	0 506	0 006	0 108	0	---	---	0 628	1964
1965	---	---	0 073	14 4	13 5	3 20	1 70	0 833	0 286	2 20	---	---	4 49	1965
1966	---	---	10 3	8 87	2 43	0 921	0 813	0 552	0 457	0 076	---	---	3 14	1966
1967	---	---	1 43	17 2	17 5	3 32	0 633	0 312	0 335	0 289	---	---	5 11	1967
1968	---	---	4 17	3 07	1 47	0 694	0 333	0 306	0 101	0 074	---	---	1 28	1968
1969	---	---	0 254	18 1	4 68	1 31	0 812	0 714	0 193	0 293	---	---	3 38	1969
1970	---	---	0 754	23 7	10 1	2 49	0 774	0 997	0 182	0 125	---	---	4 84	1970
1971	---	---	1 219	7 29	5 29	0 930	0 578	0 407	0 180	0 096	---	---	1 88	1971
1972	---	---	4 46	4 08	0 780	1 16	0 899	0 233	0 005	0 077	---	---	1 18	1972
1973	---	---	1 82	1 26	0 869	0 507	1 13	0 172	0 004	0	---	---	0 695	1973
1974	---	---	2 78	12 1	9 05	3 24	0 540	0 807	0	0 238	---	---	3 57	1974
1975	---	---	0 309	6 97	11 3	1 59	1 05	0 915	0 194	0 808	---	---	2 87	1975
1976	---	---	16 4	8 27	0 744	1 03	0 884	0 504	0 007	0 087	---	---	3 48	1976
1977	---	---	0 313	0 847	1 23	0 268	0 271	0 322	0 022	0 045	---	---	0 381	1977
1978	---	---	2 92	8 34	2 47	0 858	0 551	0 526	0 026	0 228	---	---	1 95	1978
1979	---	---	1 58	21 3	3 59	0 885	1 70	0 382	0 148	0 001	---	---	3 85	1979
1980	---	---	1 31	2 49	1 82	0 129	0 300	0 485	0 098	0 092	---	---	0 840	1980
1981	---	---	0 332	0 380	0 884	0 944	0 586	0 049	0	0	---	---	0 382	1981
1982	---	---	4 04	16 0	3 93	4 59	1 92	0 673	0 080	0 277	---	---	3 90	1982
1983	---	---	1 92	2 33	2 44	0 794	0 573	0 403	0 002	0 227	---	---	1 09	1983
1984	---	---	0 255	0 231	0 988	0 680	0 001	0	0	0	---	---	0 286	1984
1985	---	---	0 082	4 17	3 32	0 785	0 015	0 009	0 089	0 010	---	---	1 05	1985
1986	---	---	19 4	1 37	4 31	0 994	0 388	0 121	0 245	0 916	---	---	3 50	1986
MEAN	---	0 019	4 50	13 1	4 60	2 49	1 40	0 436	0 204	0 329	0 806	---	3 18	MEAN

LOCATION - LAT 49 00 00 N DRAINAGE AREA 5 490 km^2 INTERNATIONAL GAUGING STATION
LONG 107 18 06 W REGULATED SINCE 1937

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO 11AC041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	78.7 ON APR 30	77.0 ON APR 24	---	---	1917
1918	63.4 ON APR 6	60.6 ON APR 6	---	---	1918
1919	30.0 ON APR 5	27.6 ON APR 5	0 ON JUL 28 *	35 500	1919
1920	47.0 AT 18 00 MST ON MAY 10	32.8 ON APR 27	0 B ON MAR 1	95 100	1920
1921	25.0 AT 19 00 MST ON APR 19	24.1 ON APR 19	0 ON AUG 30	59 200	1921
1922	70.2 B AT 13 00 MST ON APR 6	69.4 B ON APR 6	---	---	1922
1923	82.7 AT 11 00 MST ON JUN 23	79.3 ON JUN 23	0.113 ON SEP 21	115 000	1923
1924	21.1 AT 24 00 MST ON APR 14	20.0 ON APR 14	0 B ON MAR 1	40 300	1924
1925	154 AT 14 00 MST ON MAR 29	136 ON MAR 29	0 0.288 ON MAR 1	163 000	1925
1926	40.8 AT 08 30 MST ON MAR 19	38.8 ON MAR 19	0 ON SEP 1	68 600	1926
1927	85.4 AT 11 00 MST ON APR 10	82.3 ON APR 10	0 B ON MAR 1	248 000	1927
1928	140 AT 05 00 MST ON MAR 25	123 ON MAR 25	0 5.618 ON MAR 1	133 000	1928
1929	18.0 AT 06 30 MST ON APR 28	17.8 ON APR 28	0 ON SEP 3	42 300	1929
1930	37.9 AT 01 00 MST ON APR 6	36.2 ON APR 5	0.020 ON SEP 20	93 500	1930
1931	15.2 AT 23 30 MST ON JUN 29	11.8 ON JUL 1	0 ON AUG 15	14 200	1931
1932	35.7 AT 20 00 MST ON AUG 11	22.1 ON JUN 12	0 ON AUG 16	53 700	1932
1933	21.0 B AT 03 00 MST ON MAR 30	20.0 B ON MAR 30	0 A ON JUL 24	41 000	1933
1934	12.9 AT 12 30 MST ON APR 12	12.8 ON APR 12	0 A ON JUL 21	24 800	1934
1935	23.7 AT 21 00 MST ON APR 24	23.1 ON APR 24	0 B ON MAR 1	48 000	1935
1936	37.1 AT 02 00 MST ON APR 16	36.2 ON APR 15	0 ON MAR 1	50 100	1936
1937	9.83 AT 23 00 MST ON JUL 14	4.84 ON JUL 13	0 A ON MAR 1	6 330	1937
1938	50.7 AT 13 00 MST ON JUL 5	20.9 ON JUL 6	0 B ON MAR 1	37 100	1938
1939	84.7 A AT 08 00 MST ON MAR 27	81.8 A ON MAR 27	0 ON MAR 1	130 000	1939
1940	54.7 AT 20 30 MST ON APR 26	54.4 ON APR 26	0 ON SEP 14	84 100	1940
1941	49.0 AT 13 30 MST ON MAR 25	43.9 ON MAR 25	0.003 ON SEP 8	57 500	1941
1942	45.0 AT 18 00 MST ON JUN 28	27.0 ON JUN 28	0.014 ON SEP 14	52 300	1942
1943	188 AT 09 20 MST ON MAR 30	188 ON MAR 30	0.003 ON OCT 8	147 000	1943
1944	29.4 B AT 17 15 MST ON APR 3	28.3 A ON APR 14	0.093A ON OCT 25	50 500	1944
1945	17.7 AT 08 15 MST ON APR 1	17.3 ON APR 1	0 ON SEP 14	28 400	1945
1946	20.8 B AT 15 30 MST ON MAR 16	18.3 B ON MAR 16	0 ON AUG 18	26 500	1946
1947	21.1 B AT 14 30 MST ON APR 4	17.6 ON APR 15	0 ON AUG 31	43 200	1947
1948	46.2 AT 18 00 MST ON AUG 6	18.6 ON APR 27	0 E ON OCT 1	31 000	1948
1949	5.448 AT 07 30 MST ON APR 5	4.308 ON APR 5	0 B ON MAR 1	8 010	1949
1950	81.3 AT 05 00 MST ON APR 17	66.3 ON APR 17	0 B ON MAR 8	73 800	1950
1951	55.2 AT 03 00 MST ON MAY 7	55.2 ON MAY 7	0 0.888 ON MAR 1	111 000	1951
1952	643 ON APR 15 *	544 ON APR 15 *	0 1.70 ON OCT 29	434 000	1952
1953	37.1 E AT 11 00 ON MAY 30	34.8 E ON MAY 30	0 0.06 ON OCT 5	72 000	1953
1954	84.3 AT 12 00 ON APR 8	82.7 ON APR 8	0 2.46 ON SEP 24	82 500	1954
1955	55.2 ON APR 20	54.4 ON APR 20	0 2.838 ON MAR 19	211 000	1955
1956	22.3 AT 05 00 ON APR 23	21.0 ON APR 22	0 0.34 ON OCT 23	41 800	1956
1957	15.8 AT 15 00 ON APR 13	15.4 ON APR 13	0 ON AUG 24	32 700	1957
1958	50.4 AT 01 00 ON APR 10	49.8 ON APR 10	0 ON SEP 1	84 300	1958
1959	52.1 B AT 10 00 ON MAR 28	46.7 B ON MAR 28	0 ON SEP 7	61 200	1959
1960	73.6 B AT 05 00 ON MAR 28	67.7 B ON MAR 28	0 ON SEP 19	75 400	1960
1961 ---		18.7 B ON MAR 19	0 ON JUL 18	11 500	1961
1962	79.3 E ON JUL 15	50.1 E ON JUL 15	0 B ON MAR 1	48 300	1962
1963	28.4 AT 18 00 ON JUN 8	20.3 ON APR 3	0 ON OCT 8	41 800	1963
1964	5.27 AT 17 00 ON APR 30	5.21 ON APR 30	0 ON JUL 27	13 300	1964
1965	46.4 AT 09 00 ON MAY 4	45.8 ON MAY 4	0 0.578 ON MAR 1	85 000	1965
1966	45.3 AT 10 00 ON APR 7	44.5 ON APR 7	0 0.06 ON SEP 8	85 500	1966
1967	44.7 AT 05 00 ON APR 17	44.2 ON APR 17	0 0.11 ON OCT 22	108 000	1967
1968	18.1 AT 15 00 MST ON APR 3	17.9 ON APR 3	0 0.03 ON SEP 13	27 100	1968
1969	56.8 AT 06 00 MST ON APR 8	52.4 ON APR 8	0 0.45 ON OCT 1	71 500	1969
1970	46.4 AT 13 30 MST ON APR 8	43.6 ON APR 8	0 0.18 ON SEP 29	102 000	1970
1971	26.6 AT 05 25 CST ON MAY 4	24.1 ON MAY 3	0 0.18 ON AUG 23	39 400	1971
1972	12.4 B AT 14 10 CST ON MAR 21	11.1 B ON MAR 20	0 ON SEP 8	25 000	1972
1973	7.118 AT 11 00 CST ON MAR 6	6.26 ON APR 29	0 ON AUG 20	14 700	1973
1974	36.2 B AT 10 28 CST ON APR 5	33.7 B ON APR 3	0 ON SEP 6	75 700	1974
1975	51.0 AT 11 33 CST ON MAY 6	34.8 ON MAY 8	0.059 ON OCT 1	80 700	1975
1976	48.1 B AT 00 30 CST ON MAR 29	45.2 B ON MAR 29	0 ON SEP 13	73 800	1976
1977	2.47 AT 01 00 CST ON APR 9	2.02 ON MAY 20	0 ON SEP 13	4 270	1977
1978	38.0 B AT 02 48 CST ON MAR 31	32.6 B ON MAR 31	0 ON SEP 8	61 300	1978
1979	46.2 AT 10 00 CST ON APR 27	45.5 ON APR 27	0 ON AUG 22	77 300	1979
1980	11.3 B AT 18 00 MST ON APR 9	8.798 ON MAR 31	0 ON JUL 18	17 800	1980
1981	3.19 AT 17 00 CST ON JUN 1	2.10 ON JUN 1	0 ON JUL 7	4 310	1981
1982	38.1 AT 10 00 CST ON APR 15	35.0 ON APR 15	0 ON OCT 18	82 500	1982
1983	8.00 AT 08 00 CST ON MAY 17	8.10 ON APR 2	0 ON AUG 31	23 000	1983
1984	1.82 AT 10 00 CST ON MAY 22	1.73 ON MAY 22	0 ON JUL 9	5 640	1984
1985	18.5 AT 18 30 CST ON APR 23	15.7 ON APR 23	0 ON MAR 1	22 200	1985
1986	56.3 AT 23 59 CST ON MAR 9	54.1 ON MAR 9	0 ON SEP 9	74 100	1986
				87 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT RAVENSCRAG - STATION NO 11AC017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	0.524	0.482	0.282	0.148	0.209	---	---	---	1913
1929	---	---	0.270	5.64	2.44	1.35	0.386	0.038	0.057	0.117	---	---	---	1929
1930	---	---	1.18	12.1	1.20	0.612	0.372	0.120	0.131	0.178	---	---	---	1930
1931	---	---	0.522	0.841	0.487	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.004	0.044	---	---	---	1935
1936	---	---	0.059	7.57	1.17	0.252	---	---	---	---	---	---	---	1936
MEAN	---	---	0.508	5.74	1.33	0.685	0.407	0.147	0.085	0.137	---	---	---	MEAN

LOCATION - LAT 49 29 30 N
LONG 108 05 16 W
DRAINAGE AREA, 1 180 km^2
REGULATED

FRENCHMAN RIVER AT RAVENSCRAG - STATION NO. 11AC017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1929	---	28.0 ON APR 22	---	---	1929
1930	---	49.08 ON APR 4 *	---	---	1930
1931	---	---	---	---	1931
1935	---	---	0 ON SEP 17 *	---	1935
1936	---	19.3E ON APR 14	---	---	1936
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER AT WALKER'S - STATION NO. 11AC029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	38.0	6.04	9.00	14.5	2.52	1.23	1.88	---	---	---	1916
1965	---	---	---	---	---	---	---	0.848	0.361	2.27	---	---	---	1965
1966	---	---	---	---	2.27	0.895	---	0.528	0.490	0.090	---	---	---	1966
1967	---	---	---	---	---	---	0.895	0.359	0.243	0.192	---	---	---	1967
1968	---	---	---	---	1.49	0.632	0.388	0.354	0.078	0.100	---	---	---	1968
1969	---	---	---	---	---	1.26	0.875	0.745	0.210	0.302	---	---	---	1969
MEAN	---	---	---	38.0	3.27	2.95	4.06	0.859	0.435	0.806	---	---	---	MEAN

LOCATION - LAT 49 03 05 N, LONG 107 21 14 W. DRAINAGE AREA, 5 390 km^2. REGULATED

FRENCHMAN RIVER AT WALKER'S - STATION NO. 11AC029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	1488 ON MAR 30 *	---	---	1916
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	0 ON SEP 28 *	---	1967
1968	---	---	0 ON SEP 18	---	1968
1969	---	---	---	---	1969
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER BELOW EASTEND IRRIGATION PROJECT - STATION NO. 11AC057

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	---	---	---	0.185	0.118	0.054	0.081	0.143	---	---	---	1937
1938	---	---	---	---	1.57	0.634	1.09	0.131	0.053	0.318	---	---	---	1938
1939	---	---	8.25	2.81	1.41	1.73	0.370	0.185	0.047	0.375	---	---	1.90	1939
1940	---	---	0.455	12.3	1.88	1.05	0.402	0.152	0.063	0.308	---	---	2.05	1940
1941	---	---	7.71	2.88	0.516	0.309	0.240	0.047	0.155	0.285	---	---	1.63	1941
1942	---	---	0.778	5.04	1.12	2.14	1.80	0.348	0.591	0.850	---	---	1.57	1942
1943	---	---	11.6	9.58	0.916	1.01	0.820	0.587	0.400	0.656	---	---	3.19	1943
1944	---	---	1.05	9.59	0.777	0.337	0.472	0.891	1.26	0.600	---	---	1.85	1944
1945	---	---	8.05	1.41	0.872	0.550	0.352	0.441	0.150	0.272	---	---	1.52	1945
1946	---	---	6.91	2.18	0.435	0.203	0.061	0.116	0.147	0.328	---	---	1.30	1946
1947	---	---	0.600	9.89	1.02	0.417	0.218	0.235	0.225	0.186	---	---	1.55	1947
1948	---	---	0.694	6.55	2.34	0.398	0.142	0.178	0.045	0.124	---	---	1.30	1948
1949	---	---	0.377	1.76	0.545	0.824	0.699	0.117	0.048	0.236	---	---	0.584	1949
1950	---	---	0.264	7.87	1.50	0.274	0.139	0.093	0.043	0.049	---	---	1.26	1950
1951	---	---	0.135	12.8	8.00	0.733	0.621	0.755	0.916	0.840	---	---	3.06	1951
1952	---	---	---	---	3.35	1.62	0.956	0.476	0.610	0.425	---	---	---	1952
1953	---	---	---	---	4.06	4.25	0.775	0.415	0.644	0.241	---	---	---	1953
1954	---	---	---	---	1.91	2.41	0.336	1.59	1.35	1.32	---	---	---	1954
1955	---	---	---	---	10.1	1.43	3.80	1.49	0.484	---	---	---	---	1955
1962	---	---	---	---	---	---	0.461	0.200	0.482	---	---	---	---	1962
1963	---	---	---	---	---	0.838	0.639	0.229	0.176	0.205	---	---	---	1963
1964	---	---	---	---	---	0.327	0.552	0.127	0.257	0.284	---	---	---	1964
1965	---	---	---	---	---	1.27	1.62	0.921	1.29	0.847	---	---	---	1965
1966	---	---	---	---	1.69	0.763	0.745	0.592	0.187	0.141	---	---	---	1966
1967	---	---	---	---	---	1.00	0.397	0.434	0.242	0.398	---	---	---	1967
1968	---	---	---	---	0.996	0.339	0.405	0.381	0.594	0.613	---	---	---	1968
1969	---	---	---	---	1.61	0.447	0.843	0.243	0.348	0.811	---	---	---	1969
1970	---	---	---	---	7.93	1.38	0.856	0.630	0.372	0.458	---	---	---	1970
1971	---	---	---	---	2.39	0.362	0.232	0.351	0.368	1.07	---	---	---	1971
1972	---	---	---	---	0.722	1.18	0.678	0.182	0.218	---	---	---	---	1972
1973	---	---	---	3.53	2.52	1.48	0.334	0.150	0.177	0.308	---	---	---	1973
1974	---	---	---	---	3.14	0.848	0.323	0.729	0.334	0.423	---	---	---	1974
1975	---	---	---	---	---	1.32	0.405	0.387	1.00	0.758	---	---	---	1975
MEAN	---	---	3.81	5.28	2.44	1.00	0.670	0.419	0.404	0.446	---	---	1.74	MEAN

LOCATION - LAT 49 24 34 N, LONG 108 36 05 W. DRAINAGE AREA, 2 140 km^2. REGULATED SINCE 1937. INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER BELOW EASTEND IRRIGATION PROJECT · STATION NO 11AC057

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	---	---	0 ON AUG 25 *	---	1937
1938	---	---	0 ON SEP 25	---	1938
1939	---	81.7 ON MAR 22	0.011 ON SEP 5	40 200	1939
1940	---	65.4 ON APR 23	0.005 ON SEP 30	43 200	1940
1941	---	37.7 B ON MAR 28	0.023 ON AUG 23	32 400	1941
1942	19.1 AT 18:00 ON JUL 1	18.3 ON APR 14	0.204 ON JUL 22	33 300	1942
1943	98.0 B ON MAR 31	91.5 B ON MAR 31 *	0.176 ON AUG 16	67 500	1943
1944	85.7 B AT 19:30 ON APR 6	84.0 B ON APR 6	0.218 ON JUN 7	38 200	1944
1945	50.4 AT 10:30 ON MAR 24	45.9 ON MAR 24	0 ON JUL 30	32 300	1945
1946	34.5 AT 08:00 ON MAR 29	31.4 ON MAR 29	0 A ON JUL 25	27 800	1946
1947	44.5 B AT 09:20 ON APR 11	30.3 B ON APR 12	0.0288 ON MAR 1	32 800	1947
1948	27.4 AT 21:00 ON APR 19	23.5 ON APR 19	0.017 ON SEP 13	27 500	1948
1949	8.04A AT 06:00 ON APR 10	6.29A ON APR 10	0.0288 ON MAR 1	12 400	1949
1950	60.6 AT 01:00 ON APR 19	43.0 B ON APR 18	0.0286 ON AUG 2	28 700	1950
1951	68.2 AT 05:30 ON APR 30	67.7 ON APR 30	0.011 ON SEP 18	84 700	1951
1952	340 ON APR 18 *	---	---	---	1952
1953	---	13.3 ON JUN 6	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1982	---	---	---	---	1982
1983	---	---	---	---	1983
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1986	---	---	---	---	1986
1987	---	---	---	---	1987
1988	---	---	---	---	1988
1989	---	---	---	---	1989
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	0 ON AUG 28	---	1972
1973	9.91 AT 01:50 CST ON JUN 16	7.31 ON APR 28	---	---	1973
1974	11.6 AT 17:30 CST ON MAY 26	11.2 ON MAY 26	0.184 ON JUL 21	---	1974
1975	---	---	---	---	1975
				36 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW EASTEND RESERVOIR - STATION NO 11AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	7.15	5.71	3.92	0.751	0.479	1.16	---	---	---	1909
1910	---	---	---	---	0.869	0.284	0.131	0.009	0.020	0.021	---	---	---	1910
1911	---	---	---	11.3	2.21	1.32	0.881	0.485	0.569	0.900	---	---	---	1911
1912	---	---	---	30.0	4.91	1.58	0.291	0.218	0.795	0.521	---	---	---	1912
1913	---	---	---	14.9	2.15	1.06	0.600	0.378	---	---	---	---	---	1913
1914	---	---	1.50	7.27	0.733	0.453	0.082	0.081	0.255	0.512	---	---	1.34	1914
1915	---	---	1.03	5.97	1.22	2.20	1.85	0.878	0.874	0.723	---	---	2.29	1915
1916	---	---	---	5.56	3.69	4.25	2.32	1.23	0.964	1.83	---	---	---	1916
1918	---	---	11.8	17.2	3.60	1.42	0.631	0.479	0.354	0.483	---	---	4.47	1918
1919	---	---	0.269	5.05	1.45	0.422	0.117	0.027	0.349	0.336	---	---	0.882	1919
1920	---	---	0.815	15.7	8.35	1.41	0.723	0.253	0.292	0.332	---	---	3.45	1920
1921	---	---	1.69	9.37	2.40	0.644	0.266	0.218	0.354	0.398	---	---	1.90	1921
1922	---	---	0.306	22.3	8.98	1.16	0.963	0.459	0.258	0.455	---	---	4.32	1922
1923	---	---	0.313	5.78	1.55	1.61	0.610	0.439	0.333	0.474	---	---	1.38	1923
1924	---	---	0.412	4.08	1.39	1.22	0.396	0.326	0.183	0.376	---	---	1.04	1924
1925	---	---	1.64	19.3	2.03	1.36	0.395	0.303	0.307	0.573	---	---	3.19	1925
1926	---	---	5.31	3.90	0.741	0.475	0.158	0.190	0.410	0.515	---	---	1.46	1926
1927	---	---	0.272	21.6	13.6	5.28	2.48	1.16	0.877	0.838	---	---	5.75	1927
1928	---	---	11.1	5.75	2.63	2.03	1.78	0.697	0.505	0.544	---	---	3.14	1928
1929	---	---	0.491	8.17	3.49	2.00	0.636	0.252	0.340	0.508	---	---	1.97	1929
1930	---	---	1.18	12.0	1.75	0.872	0.655	0.300	0.406	0.490	---	---	2.18	1930
1931	---	---	0.902	1.07	1.05	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	0.255	---	---	---	1935
1936	---	---	0.210	8.85	1.77	0.463	0.074	0	0	0	---	---	1.37	1936
1938	---	---	---	2.88	1.75	2.08	0.294	0.103	0.038	0.334	---	---	---	1938
1940	---	---	0.542	11.0	1.72	0.768	0.226	0.073	0.041	0.314	---	---	1.80	1940
1941	---	---	7.80	1.93	0.259	0.135	0.107	0.025	0.158	0.268	---	---	1.34	1941
1942	---	---	0.848	4.79	0.860	1.55	1.01	0.227	0.482	0.736	---	---	1.28	1942
1943	---	---	12.0	5.81	0.736	0.574	0.513	0.401	0.352	0.439	---	---	2.60	1943
1944	---	---	0.767	9.48	0.842	0.087	0.221	0.729	0.925	0.642	---	---	1.66	1944
1945	---	---	7.32	1.53	0.642	0.285	0.134	0.306	0.148	0.299	---	---	1.34	1945
1946	---	---	6.89	2.23	0.283	0.049	0.014	0.052	0.151	0.308	---	---	1.25	1946
1947	---	---	0.615	9.00	0.847	0.333	0.095	0.126	0.200	0.284	---	---	1.42	1947
1948	---	---	0.599	6.18	2.01	0.186	0.072	0.116	0.040	0.123	---	---	1.15	1948
1949	---	---	0.282	1.74	0.446	0.911	0.572	0.046	0.086	0.302	---	---	0.545	1949
1950	---	---	0.298	6.59	1.33	0.098	0.070	0.042	0.038	0.078	---	---	1.05	1950
1951	---	---	0.271	13.3	6.38	0.562	0.514	0.635	0.778	0.588	---	---	2.86	1951
1952	---	---	0.714	41.1	3.12	1.73	1.05	0.469	0.533	0.400	---	---	6.03	1952
1953	---	---	0.716	6.19	4.40	3.64	0.840	0.249	0.187	0.311	---	---	2.02	1953
1954	---	---	0.607	5.67	2.19	2.31	0.268	1.43	1.05	1.30	---	---	1.84	1954
1955	---	---	0.890	25.6	9.26	1.05	2.65	1.23	0.480	0.834	---	---	5.15	1955
1956	---	---	0.763	6.27	2.23	0.705	0.776	0.240	0.614	0.569	---	---	1.51	1956
1957	---	---	0.644	7.76	0.897	0.227	0.420	0.968	0.247	0.411	---	---	1.43	1957
1958	---	---	0.860	11.7	0.665	0.188	0.545	0.489	0.128	0.278	---	---	1.82	1958
1959	---	---	2.33	4.22	0.849	0.371	0.613	0.040	0.101	0.588	---	---	1.13	1959
1960	---	---	9.66	2.12	1.18	0.988	0.140	0.120	0.145	0.209	---	---	1.83	1960
1961	---	---	1.00	0.995	0.990	0.173	0.118	0.081	0.070	0.198	---	---	0.454	1961
1962	---	---	1.69	3.33	0.089	0.343	0.226	0.108	0.502	0.350	---	---	0.823	1962
1963	---	---	4.23	1.78	0.207	0.258	0.487	0.096	0.152	0.177	---	---	0.927	1963
1964	---	---	0.512	3.39	1.53	0.105	0.453	0.119	0.291	0.315	---	---	0.835	1964
1965	---	---	0.321	19.3	2.90	0.728	1.21	0.856	1.09	0.678	---	---	3.34	1965
1966	---	---	6.71	3.95	1.49	0.410	0.600	0.306	0.218	0.200	---	---	1.74	1966
1967	---	---	0.599	4.71	15.3	0.631	0.152	0.286	0.186	0.434	---	---	2.80	1967
1968	---	---	5.30	2.51	0.740	0.155	0.348	0.352	0.560	0.465	---	---	1.31	1968
1969	---	---	0.464	7.68	1.33	0.087	0.386	0.100	0.148	0.785	---	---	1.35	1969
1970	---	---	0.556	14.4	6.85	0.908	0.575	0.540	0.340	0.428	---	---	3.05	1970
1971	---	---	0.555	6.16	2.26	0.252	0.174	0.138	0.501	0.801	---	---	1.34	1971
1972	---	---	6.99	3.24	0.445	0.861	0.288	0.136	0.182	0.448	---	---	1.58	1972
1973	---	---	0.779	3.50	2.09	0.707	0.271	0.104	0.255	0.352	---	---	1.00	1973
1974	---	---	0.793	4.22	3.49	0.780	0.184	0.544	0.267	0.374	---	---	1.33	1974
1975	---	---	0.267	4.17	5.91	1.03	0.358	0.131	0.976	0.797	---	---	1.70	1975
1976	---	---	4.96	4.25	0.283	0.099	0.176	0.171	0.217	0.485	---	---	1.33	1976
1977	---	---	0.605	4.56	0.719	0.278	1.23	0.628	0.111	0.319	---	---	1.05	1977
1978	---	---	0.620	3.96	1.47	0.145	0.298	0.109	0.584	0.842	---	---	1.01	1978
1979	---	---	3.81	11.3	1.30	0.200	0.176	0.111	0.152	0.365	---	---	2.15	1979
1980	---	---	0.481	2.21	0.328	1.50	0.307	0.178	0.174	0.353	---	---	0.683	1980
1981	---	---	0.575	0.239	0.119	0.301	0.323	0.105	0.047	0.218	---	---	0.241	1981
1982	---	---	0.338	3.83	1.78	2.75	1.31	0.346	0.390	0.334	---	---	1.38	1982
1983	---	---	1.82	2.10	1.88	0.320	1.18	0.255	0.518	0.540	---	---	1.08	1983
1984	---	---	0.644	1.17	0.416	0.257	0.086	0.047	0.107	0.355	---	---	0.381	1984
1985	---	---	1.19	12.7	0.822	0.273	0.110	0.135	0.395	0.555	---	---	1.99	1985
1988	---	2.87	5.77	0.894	1.78	0.073	0.051	0.162	0.958	0.763	---	---	1.31	1988
MEAN	---	2.87	2.28	8.06	2.50	1.01	0.597	0.334	0.388	0.482	---	---	1.66	MEAN

LOCATION - LAT 49 30 54 N DRAINAGE AREA, 1 800 km² INTERNATIONAL GAUGING STATION
LONG 108 50 16 W REGULATED SINCE 1937

FRENCHMAN RIVER BELOW EASTEND RESERVOIR - STATION NO 11AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	54.1 ON APR 11	53.0 ON APR 11	---	---	1911
1912	198 B ON APR 10	170 B ON APR 11	---	---	1912
1913	66.8 B ON APR 8	66.3 B ON APR 8	---	---	1913
1914	28.6 ON APR 13	24.1 ON APR 13	0.023E ON JUL 12	28 400	1914
1915	86.1 ON APR 4	75.6 ON APR 4	0.377 ON MAY 7	48 500	1915
1916	---	---	---	---	1916
1918	---	58.9 ON APR 10	0.289E ON SEP 8	94 600	1918
1919	18.7 ON APR 3	17.0 ON APR 3	0 ON AUG 5 *	21 000	1919
1920	85.1 AT 13 45 ON APR 21	59.5 ON APR 21	0.108 ON AUG 27	73 100	1920
1921	47.3 AT 13 50 ON APR 14	47.3 ON APR 14	0.0188 ON MAR 14	40 200	1921
1922	103 ON APR 23	91.7 ON APR 23	0.0858 ON MAR 1	91 400	1922
1923	28.3 B ON APR 15	24.7 B ON APR 16	0.1258 ON MAR 4	28 100	1923
1924	27.1 B AT 17 30 ON APR 8	26.1 B ON APR 8	0.142 ON AUG 29	22 000	1924
1925	81.8 B AT 09 20 ON APR 6	72.2 B ON APR 6	0.142 ON SEP 10	87 400	1925
1926	40.2 B ON MAR 19	32.3 B ON MAR 18	0.040 ON JUL 31	30 900	1926
1927	124 AT 24 00 ON APR 26	116 ON APR 27	0.0858 ON MAR 1	122 000	1927
1928	95.7 B AT 12 30 ON MAR 22	88.3 B ON MAR 22	0.272 ON OCT 28	66 400	1928
1929	32.3 AT 13 30 ON APR 22	31.4 ON APR 22	0.167 ON AUG 24	41 700	1929
1930	58.3 B AT 15 30 ON APR 5	57.5 B ON APR 5	0.210 ON AUG 11	46 100	1930
1931	---	3.348 ON MAR 25	0.4028 ON MAR 11	---	1931
1935	---	---	---	---	1935
1936	---	21.9 E ON APR 15	0 B ON MAR 1	29 000	1936
1939	---	---	---	---	1939
1940	---	72.5 ON APR 22	0.014 ON SEP 24	38 200	1940
1941	---	35.4 B ON MAR 27	0.020 ON AUG 11	28 400	1941
1942	18.7 AT 23 00 ON APR 13	15.6 ON APR 13	0.102 ON JUL 19	27 000	1942
1943	105 B ON MAR 30	102 E ON MAR 31	0 ON AUG 14	55 100	1943
1944	74.2 AT 01 30 ON APR 5	68.2 ON APR 5	0.028 ON JUN 3	35 200	1944
1945	48.1 AT 23 00 ON MAR 23	37.4 ON MAR 24	0 ON JUL 31	28 400	1945
1946	34.8 AT 18 05 ON MAR 28	32.8 ON MAR 28	0.003 ON JUL 28	26 800	1946
1947	35.1 AT 23 00 ON APR 11	28.3 ON APR 11	0.011 ON AUG 4	30 000	1947
1948	29.2 AT 02 00 ON APR 19	27.0 ON APR 19	0.003 ON OCT 14	24 400	1948
1949	8.788 AT 20 00 ON APR 9	6.34 ON APR 10	0.008 ON AUG 16	11 500	1949
1950	83.1 B AT 05 00 ON APR 18	52.1 B ON APR 18	0.014 ON OCT 10	22 300	1950
1951	75.0 AT 02 00 ON APR 28	69.9 ON APR 28	0.031 ON SEP 18	60 800	1951
1952	326 A AT 07 00 ON APR 16 *	272 A ON APR 16 *	0.028 ON OCT 25	127 000	1952
1953	27.9 AT 13 00 ON APR 24	26.1 ON APR 24	0.014 ON SEP 30	42 800	1953
1954	41.3 AT 19 00 ON APR 14	36.8 ON APR 14	0.088 ON JUL 31	38 800	1954
1955	56.9 AT 14 00 ON APR 20	55.2 ON APR 20	0.184 ON JUL 1	109 000	1955
1956	34.0 AT 14 00 ON APR 15	32.0 ON APR 15	0.089 ON AUG 20	32 000	1956
1957	22.6 AT 16 00 ON APR 18	20.9 ON APR 18	0.082 ON AUG 26	30 300	1957
1958	79.6 AT 09 00 ON APR 5	74.8 ON APR 5	0.048 ON AUG 18	38 700	1958
1959	26.1 AT 06 00 ON APR 3	21.9 ON APR 3	0.028 ON SEP 7	24 000	1959
1960	49.0 B AT 23 00 ON MAR 27	47.9 B ON MAR 28	0.083 ON JUN 10	38 800	1960
1961	4.30 AT 21 30 ON MAR 25	3.82 ON MAR 25	0.008 ON AUG 31	9 600	1961
1962	20.8 ON APR 6	15.9 ON APR 6	0 ON SEP 19	17 400	1962
1963	32.3 AT 22 00 ON MAR 28	28.9 ON MAR 29	0.023 ON SEP 7	19 600	1963
1964	18.6 B AT 17 00 ON APR 3	14.2 B ON APR 3	0.014 ON AUG 4	17 700	1964
1965	70.5 AT 04 00 ON APR 26	68.2 ON APR 26	0 ON SEP 30	70 800	1965
1966	67.4 B AT 13 30 ON MAR 30	66.3 B ON MAR 31	0.155 ON JUN 19	36 800	1966
1967	57.8 AT 04 00 ON MAY 10	47.9 ON MAY 10	0.059 ON SEP 5	59 400	1967
1968	18.5 B AT 19 00 MST ON MAR 7	16.8 B ON MAR 7	0.099 ON JUN 3	27 700	1968
1969	71.4 B AT 21 20 MST ON APR 7	63.4 B ON APR 7	0.013 ON SEP 25	28 700	1969
1970	88.5 B AT 20 10 MST ON APR 11	63.4 B ON APR 11	0.082 ON JUL 24	64 700	1970
1971	25.1 AT 20 53 CST ON APR 16	20.6 ON APR 17	0.102 ON AUG 28	28 500	1971
1972	59.5 B AT 22 00 CST ON MAR 18	48.1 B ON MAR 19	0.108 ON AUG 9	33 300	1972
1973	7.33 AT 12 50 CST ON APR 27	6.94 ON APR 28	0.091 ON AUG 13	21 200	1973
1974	11.8 AT 21 03 CST ON MAY 25	11.4 ON MAY 25	0.139 ON AUG 8	28 100	1974
1975	55.5 AT 21 36 CST ON MAY 7	42.2 ON MAY 7	0.0598 ON MAR 14	35 000	1975
1976	39.1 AT 23 56 CST ON APR 1	28.1 ON APR 2	0.085 ON MAY 28	28 100	1976
1977	13.9 AT 19 00 CST ON APR 9	12.5 B ON APR 9	0.028 ON AUG 21	22 200	1977
1978	16.2 B AT 04 14 CST ON APR 1	13.0 B ON APR 1	0.088 ON SEP 27	21 400	1978
1979	96.3 AT 02 12 CST ON APR 19	78.6 ON APR 19	0.0758 ON MAR 8	45 600	1979
1980	9.93 AT 00 28 CST ON APR 8	9.65 ON APR 8	0.107 ON AUG 27	14 500	1980
1981	---	2.688 ON MAR 1	0 ON SEP 19	5 110	1981
1982	20.1 AT 01 38 CST ON APR 25	16.5 ON APR 25	0.1328 ON APR 17	28 200	1982
1983	17.3 AT 08 07 CST ON APR 1	14.2 ON APR 1	0.225 ON SEP 7	22 800	1983
1984	3.06 AT 17 28 CST ON APR 10	2.98 ON APR 11	0 ON JUL 10	8 050	1984
1985	58.4 AT 22 51 CST ON APR 13	48.0 ON APR 13	0.005 ON JUL 28	42 000	1985
1986	---	33.2 B ON MAR 1	0.020 ON JUN 22	27 800	1986
				33 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW MULE CREEK - STATION NO. 11AC071

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.025	0.210	0.350	---	---	---	1984
1985	---	---	---	---	---	1.28	1.82	0.933	1.37	0.855	---	---	---	1985
1986	---	---	---	---	2.04	0.845	0.872	0.608	0.244	0.201	---	---	---	1986
1987	---	---	---	---	---	---	0.368	0.336	0.187	0.343	---	---	---	1987
1988	---	---	---	---	1.22	0.351	0.295	0.323	0.555	0.494	---	---	---	1988
1989	---	---	---	---	2.14	0.484	1.04	0.206	0.153	0.775	---	---	---	1989
MEAN	---	---	---	---	1.80	0.785	0.877	0.403	0.454	0.455	---	---	---	MEAN

LOCATION - LAT 49 24 55 N DRAINAGE AREA 2 870 km²
LONG 108 12 21 W REGULATED

FRENCHMAN RIVER BELOW MULE CREEK - STATION NO. 11AC071

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	---	---	1984
1985	9.15 AT 00:00 MST ON JUN 29 *	---	---	---	1985
1986	4.28 AT 10:00 MST ON MAY 7	---	---	---	1986
1987	---	---	---	---	1987
1988	2.42 AT 16:00 MST ON MAY 4	---	---	---	1988
1989	---	---	---	---	1989
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO. 11AC062

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	---	---	---	8.55	0.781	0.014	0.014	0.014	---	---	---	1939
1965	---	---	---	---	---	---	1.18	0.209	0.828	1.88	---	---	---	1965
1966	---	---	---	---	1.86	0.152	0.173	0.136	0.710	0.223	---	---	---	1966
1967	---	---	---	---	---	0.811	0.187	0.126	0.087	0.081	---	---	---	1967
1968	---	---	---	---	1.06	0.158	0.132	0.102	0.080	0.186	---	---	---	1968
1969	---	---	---	---	2.44	0.496	0.480	0.326	0.162	0.257	---	---	---	1969
1970	---	---	---	---	---	0.278	0.371	0.260	0.158	0.316	---	---	---	1970
1971	---	---	---	---	---	0.457	0.229	0.383	0.295	0.161	---	---	---	1971
1972	---	---	---	---	0.446	0.243	0.260	0.188	0.090	0.151	---	---	---	1972
1973	---	---	---	1.45	0.634	0.295	1.14	0.093	0.143	0.157	---	---	---	1973
1974	---	---	---	---	5.71	2.03	0.115	0.083	0.117	0.332	---	---	---	1974
1975	---	---	---	---	9.52	0.357	0.688	0.309	0.276	0.835	---	---	---	1975
1976	---	---	---	---	0.361	0.259	0.509	0.223	0.091	0.201	---	---	---	1976
1977	---	---	0.254	0.671	0.704	0.259	0.303	0.202	0.194	0.146	---	---	0.342	1977
1978	---	---	0.082	2.47	1.93	0.059	0.213	0.034	0.075	5.462	---	---	0.683	1978
1979	---	---	1.88	14.2	2.07	0.052	0.076	0.089	0.370	0.118	---	---	2.32	1979
1980	---	---	0.336	0.300	1.26	0.075	0.086	0.539	0.011	0.254	---	---	0.359	1980
1981	---	---	0.267	0.545	0.332	0.585	0.828	0.169	0.084	0.240	---	---	0.384	1981
1982	---	---	0.065	7.35	0.894	3.65	1.93	0.298	0.183	0.426	---	---	1.62	1982
1983	---	---	0.585	1.88	1.79	0.240	0.265	0.160	0.024	0.474	---	---	0.652	1983
1984	---	---	0.167	0.504	0.846	0.563	0.035	0.007	0	0	---	---	0.283	1984
1985	---	---	0.184	5.78	2.90	0.474	0.077	0.075	0.068	0.177	---	---	1.20	1985
1986	---	---	0.87	1.04	2.89	0.184	0.115	0.078	0.045	0.588	---	---	1.71	1986
MEAN	---	---	1.27	3.27	2.14	0.825	0.446	0.173	0.177	0.322	---	---	0.972	MEAN

LOCATION - LAT 49 18 07 N DRAINAGE AREA 3 480 km² INTERNATIONAL GAUGING STATION
LONG 107 48 20 W REGULATED SINCE 1937

FRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO. 11AC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE ($10^6 m^3$)	YEAR
1939	...	...	...	...	1939
1965	...	...	...	...	1965
1966	...	...	...	...	1966
1967	...	...	...	...	1967
1968	...	...	...	...	1968
1969	...	...	...	...	1969
1970	...	...	...	...	1970
1971	...	...	...	...	1971
1972	...	...	...	...	1972
1973	7.85 AT 08:45 CST ON APR 26	7.52 ON APR 26	...	...	1973
1974	47.5 AT 15:01 CST ON MAY 24	36.0 ON MAY 24	0.040 ON JUL 27	...	1974
1975	45.6 AT 23:02 CST ON MAY 10	45.3 ON MAY 11	0.1704 ON APR 25	...	1975
1976	...	...	0.071 ON SEP 26	...	1976
1977	1.84 AT 21:34 CST ON MAY 5	1.62 ON MAY 5	0.136 ON OCT 26	7 250	1977
1978	4.78 AT 11:23 CST ON APR 18	4.70 ON APR 22	0.020 ON AUG 26	14 000	1978
1979	66.6 AT 14:39 CST ON APR 19 *	51.3 ON APR 20	0.035 ON AUG 15	49 100	1979
1980	1.87 AT 11:00 CST ON MAY 2	1.84 ON MAY 3	0.002 ON AUG 21	7 590	1980
1981	1.83 AT 11:30 CST ON MAR 4	1.57 ON APR 21	0 ON JUN 30 *	6 340	1981
1982	42.7 AT 18:09 CST ON APR 15	41.8 ON APR 17	0.0108 ON MAR 1	38 800	1982
1983	6.28 AT 21:35 CST ON MAY 15	6.26 ON MAY 17	0 ON SEP 10	13 800	1983
1984	2.18 AT 22:20 CST ON MAY 23	1.87 ON MAY 23	0 E ON AUG 12	5 570	1984
1985	47.8 AT 13:30 CST ON APR 19	35.3 ON APR 19	0 E ON MAR 1	25 400	1985
1986	58.0 AT 15:31 CST ON MAR 4	52.3 ON MAR 4 *	0.030 ON SEP 29	36 300	1986
				20 600	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW VAL MARIE - STATION NO. 11AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	...	...	0.004	0.815	0.018	0.437	1.08	0.006	0	0	...	...	0.270	1937
1938	...	...	0.261	2.97	0.877	0.230	1.73	0.060	0.045	0.026	...	...	0.773	1938
1939	...	...	12.4	3.19	2.84	7.31	1.35	0.385	0.079	0.101	...	...	3.66	1939
1940	...	...	0.028	15.2	1.62	4.12	0.654	0.221	0.168	0.894	...	...	2.77	1940
1941	...	...	0.75	7.21	0.739	0.684	0.410	0.307	0.360	0.211	...	...	1.84	1941
1942	...	...	2.43	4.17	0.827	1.80	3.24	0.302	0.275	0.255	...	...	1.87	1942
1943	...	...	18.0	20.4	1.95	1.77	0.805	0.197	0.096	0.275	...	...	5.41	1943
1944	...	...	1.90	9.58	0.848	0.306	0.309	0.885	0.351	1.30	...	...	1.80	1944
1945	...	...	6.38	0.841	0.895	0.383	0.532	0.292	0.032	0.003	...	...	1.18	1945
1946	...	...	3.83	2.85	0.389	0.334	0.416	0.068	0.151	0.283	...	...	1.04	1946
1947	...	...	0.495	6.90	0.984	0.315	0.397	0.340	0.857	0.806	...	...	1.30	1947
1948	...	...	0.886	4.74	1.93	0.580	0.648	0.713	0.240	0.061	...	...	1.20	1948
1949	...	...	0.103	0.330	0.560	0.460	0.674	0.001	0	0	...	...	0.264	1949
1950	...	...	0.014	12.3	1.89	0.851	0.386	0.272	0.104	0.472	...	...	1.88	1950
1951	...	...	0.159	14.9	14.5	0.745	1.35	0.758	1.77	0.840	...	...	4.41	1951
1952	...	...	...	...	...	1.89	4.17	1.28	1.80	0.714	...	...	...	1952
1953	...	...	...	...	8.41	10.4	1.80	0.292	0.070	0.135	...	...	...	1953
1954	...	...	...	...	2.14	3.73	1.28	2.08	0.539	2.10	...	...	...	1954
1955	...	...	...	...	14.5	2.72	...	1.44	0.825	0.855	...	...	...	1955
1956	...	...	...	...	2.30	1.26	0.784	0.918	0.455	0.306	...	...	...	1956
1957	...	...	...	...	1.85	0.848	0.195	0.190	0.124	0.074	...	...	...	1957
1958	...	...	...	...	0.801	0.544	0.288	0.177	0.181	0.052	...	...	...	1958
1959	...	...	...	...	1.33	1.06	0.854	0.391	0.040	0.078	...	...	...	1959
1960	...	...	...	...	1.76	0.818	0.312	0.276	0.081	0.282	...	...	...	1960
1961	...	...	...	0.835	0.398	0.328	0.060	0.060	0	0.228	...	...	...	1961
1962	...	...	...	3.06	1.30	0.318	4.29	0.336	0.111	0.412	...	...	...	1962
1963	...	...	...	4.38	0.894	1.65	0.832	0.502	0.118	0.119	...	...	...	1963
1964	...	...	...	1.80	1.93	0.673	0.404	0.154	0.080	0.030	...	...	...	1964
1965	...	...	...	15.2	7.74	1.55	1.41	0.595	0.698	1.99	...	...	...	1965
1966	...	...	...	10.4	2.18	0.891	0.521	0.918	0.578	0.114	...	...	...	1966
1967	...	...	...	14.6	16.6	2.82	0.651	0.334	0.094	0.060	...	...	...	1967
1968	...	...	...	2.51	1.58	0.644	0.500	0.325	0.096	0.133	...	...	...	1968
1969	...	...	...	12.8	3.52	1.19	0.532	0.826	0.268	0.321	...	...	...	1969
1970	...	...	...	30.8	8.23	1.41	0.680	0.901	0.188	0.280	...	...	...	1970
1971	...	...	...	...	4.01	0.855	0.679	0.485	0.188	0.300	...	...	...	1971
1972	...	...	...	...	0.817	0.997	0.819	0.252	0.084	0.193	...	...	...	1972
1973	...	...	...	1.27	1.02	0.537	1.93	0.228	0.093	0.122	...	...	...	1973
1974	...	...	...	...	7.36	3.06	0.543	0.396	0.073	0.321	...	...	...	1974
1975	...	...	...	...	...	1.15	1.33	0.940	0.393	0.639	...	...	...	1975
MEAN	...	...	3.91	7.43	3.38	1.85	0.995	0.468	0.382	0.377	...	...	1.97	MEAN

LOCATION - LAT 49 11 50 N
LONG 107 41 17 W
DRAINAGE AREA, 6 470 km^2
REGULATED SINCE 1937
INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER BELOW VAL MARIE - STATION NO 11ACC01

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	7.59 ON JUL 17	6.96 ON JUL 17	0 ON MAR 1 *	5 720	1937
1938	12.0 AT 16 00 ON APR 16	11.9 ON APR 16	0 ON MAR 1	10 600	1938
1939	84.4 AT 17 00 ON MAR 24	82.1 ON MAR 24	0.0288 ON MAR 1	72 900	1939
1940	53.6 ON APR 24	53.0 ON APR 24	0.0283 ON MAR 1	55 700	1940
1941	81.9 B AT 15 00 ON MAR 21	20.6 ON APR 5	0.076 ON JUL 25	21 000	1941
1942	13.9 AT 21 30 ON JUN 30	13.6 B ON MAR 17	0.020 ON OCT 9	35 400	1942
1943	130 B ON MAR 25	58.0 A ON MAR 31 *	0.022 ON OCT 1	104 000	1943
1944	39.8 AT 10 00 ON APR 11	32.8 ON APR 11	0.057 ON SEP 10	39 900	1944
1945	31.7 AT 15 00 ON MAR 25	30.2 ON MAR 29	0 A ON SEP 28	25 000	1945
1946	22.5 A AT 11 40 ON APR 2	22.5 A ON APR 2	0.006 ON AUG 24	21 000	1946
1947	15.6 AT 06 30 ON APR 19	14.9 ON APR 19	0.0288 ON MAR 1	27 000	1947
1948	25.7 ON APR 25	23.1 E ON APR 26	0.011 ON OCT 30	25 400	1948
1949	2.12 AT 07 00 ON APR 6	1.99 ON JUL 9	0 ON JUL 25	5 990	1949
1950	85.0 AT 13 00 ON APR 23	44.7 ON APR 23	0.0148 ON MAR 1	62 100	1950
1951	71.6 A ON MAY 6	50.3 A ON MAY 6	0.1428 ON MAR 1	63 400	1951
1952	901 ON APR 14 *	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	0 ON SEP 17	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	90.7 AT 05 00 MST ON APR 1	23.6 ON APR 1	---	---	1963
1964	8.17 AT 24 00 MST ON APR 28	6.05 ON APR 29	---	---	1964
1965	56.9 AT 03 00 MST ON APR 29	55.6 ON APR 29	---	---	1965
1966	86.0 AT 22 00 MST ON APR 1	61.4 ON APR 2	---	---	1966
1967	79.0 AT 04 00 MST ON APR 13	58.8 ON APR 13	---	---	1967
1968	---	---	---	---	1968
1969	71.1 B AT 18 55 MST ON APR 7	59.4 ON APR 11	---	---	1969
1970	85.8 AT 18 55 MST ON APR 7	50.4 ON APR 12	---	---	1970
1971	85.2 AT 02 13 CST ON MAY 1	37.1 ON MAY 1	---	---	1971
1972	---	---	---	---	1972
1973	7.50 AT 00 30 CST ON APR 26	7.16 ON APR 27	---	---	1973
1974	91.0 AT 20 40 CST ON MAY 25	38.1 ON MAY 25	0.065 ON SEP 26	---	1974
1975	91.0 AT 03 05 CST ON MAY 12	49.0 ON MAY 12	---	---	1975
MEAN				61 700	MEAN

A - MANUAL GAUGE
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED
(SEE REFERENCE INDEX)

FRENCHMAN RIVER NEAR BELANGER - STATION NO 11ACC03

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	0.364	0.187	0.119	0.170	---	---	---	1916
1917	---	---	---	---	---	0.813	0.299	0.184	0.150	0.167	---	---	---	1917
MEAN	---	---	---	---	---	0.813	0.330	0.185	0.135	0.161	---	---	---	MEAN

LOCATION - LAT 49 29 00 N
LONG 109 21 00 W
DRAINAGE AREA 654 km^2
REGULATED

FRENCHMAN RIVER NEAR ROSEFIELD - STATION NO 11ACC10

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	1.45	0.628	0.536	2.34	---	---	---	1965
1966	---	---	---	---	2.47	0.852	0.451	0.403	0.667	0.068	---	---	---	1966
1967	---	---	---	---	---	---	0.841	0.339	0.245	0.135	---	---	---	1967
1968	---	---	---	---	1.45	0.672	0.416	0.231	0.104	0.153	---	---	---	1968
1969	---	---	---	---	---	1.15	0.567	0.779	0.241	0.264	---	---	---	1969
MEAN	---	---	---	---	1.95	0.891	0.711	0.505	0.358	0.802	---	---	---	MEAN

LOCATION - LAT 49 09 10 N
LONG 107 31 50 W
DRAINAGE AREA 4 650 km^2
REGULATED

FRENCHMAN RIVER NEAR ROSEFIELD - STATION NO 11ACC10

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	2.33 AT 05 00 MST ON MAY 30	---	---	---	1968
1969	---	---	---	---	1969
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GAFF DITCH FROM BATTLE CREEK - STATION NO 11AB019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0.330	0.074	0	0	0	---	---	0.050	1912
1913	---	---	0	0	0.011	0.174	0	0	0	0	---	---	0.023	1913
1914	---	---	0	0	0.191	0.388	0.021	0	0	0	---	---	0.072	1914
1915	---	---	0	0	0.213	0.027	0	0	0	0	---	---	0.030	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0.056	0.100	0.124	0	0	---	---	0.035	1917
1918	---	---	0	0	0	0.182	0.027	0.040	0.059	0.113	---	---	0.050	1918
1919	---	---	0	0.030	0.101	0.046	0	0	0	0	---	---	0.022	1919
1920	---	---	0	0	0.027	0.100	0	0	0	0	---	---	0.015	1920
1921	---	---	0	0	0	0.089	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0	0.021	0.039	0	0	0	---	---	0.007	1922
1923	---	---	0	0	0.009	0.026	0	0	0	0	---	---	0.004	1923
1924	---	---	0	0	0.003	0.023	0.010	0	0	0	---	---	0.005	1924
1925	---	---	0	0	0	0	0.045	0	0	0	---	---	0.006	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0.014	0.007	0.005	0	0	---	---	0.003	1931
MEAN	---	---	0	0.002	0.028	0.072	0.017	0.009	0.003	0.006	---	---	0.017	MEAN

LOCATION - LAT 49 24 40 N
LONG 109 47 35 W REGULATED

GAFF DITCH FROM BATTLE CREEK - STATION NO 11AB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0.606 ON JUN 15 *	0 ON MAR 1 *	1 080	1912
1913	---	0.481 ON JUN 2	0 ON MAR 1	481	1913
1914	---	0.473 ON MAY 21	0 ON MAR 1	1 520	1914
1915	---	0.456 ON MAY 14	0 ON MAR 1	840	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0.357 ON AUG 9	0 ON MAR 1	744	1917
1918	---	0.297E ON JUN 8	0 ON MAR 1	1 050	1918
1919	---	0.139 ON MAY 19	0 ON MAR 1	485	1919
1920	---	0.280 ON JUN 15	0 ON MAR 1	333	1920
1921	---	---	0 ON MAR 1	---	1921
1922	---	0.147 ON JUN 27	0 ON MAR 1	157	1922
1923	---	0.091 ON JUN 2	0 ON MAR 1	82.0	1923
1924	---	0.105 ON JUN 7	0 ON MAR 1	95.7	1924
1925	---	0.229 ON JUL 23	0 ON MAR 1	120	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0.014E ON JUN 1	0 ON MAR 1	88.4	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		359	MEAN

E - ESTIMATED

GAFF DITCH NEAR MERRYFLAT - STATION NO 11AB102

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.393	0.083	0.125	0.001	0.015	0.024	0	---	---	0.079	1964
1965	---	---	0	0.017	0.222	0.197	0.004	0.012	0.003	0.001	---	---	0.057	1965
1966	---	---	0.020	0.007	0.211	0.187	0.038	0.033	0.015	0.009	---	---	0.065	1966
1967	---	---	0	0	0.103	0.347	0.184	0.049	0.002	0.011	---	---	0.067	1967
1968	---	---	0.003	0.147	0.427	0.006	0.027	0.086	0.010	0.001	---	---	0.090	1968
1969	---	---	0	0.061	0.388	0.237	0.092	0.003	0	0	---	---	0.098	1969
1970	---	---	0	0.075	---	0.480	0.001	0	0	0	---	---	---	1970
1971	---	---	0	0.256	0.495	0.449	0.003	0.002	0.015	0.002	---	---	0.152	1971
1972	---	---	0.070	0.282	0.471	0.190	0	0	0.089	0	---	---	0.137	1972
1973	---	---	0.001	0.012	0.469	0.191	0.005	0	0.082	0.025	---	---	0.096	1973
1974	---	---	0	0.151	0.102	0.482	0.005	0.006	0.008	0.005	---	---	0.091	1974
1975	---	---	0	0	0.291	0.078	0.130	0.040	0.001	0.001	---	---	0.088	1975
1976	---	---	0.003	0.481	0.264	0.335	0.059	0.003	0.003	0.003	---	---	0.142	1976
1977	---	---	0.035	0.355	0.275	0.005	0	0	0	0	---	---	0.063	1977
1978	---	---	0	0.039	0.458	0.098	0.001	0.001	0.012	0.001	---	---	0.077	1978
1979	---	---	0	0	0.286	0.505	0.058	0.008	0.003	0.004	---	---	0.107	1979
1980	---	---	0	0.208	0.237	0.058	0.012	0.004	0.020	0.001	---	---	0.067	1980
1981	---	---	0.001	0.320	0.172	0.012	0.033	0.003	0.026	0.010	---	---	0.071	1981
1982	---	---	0	0.057	0.390	0.241	0.002	0.018	0.003	0.002	---	---	0.088	1982
1983	---	---	0.001	0.434	0.056	0.291	0.004	0.004	0.003	0.005	---	---	0.088	1983
1984	---	---	0	0.295	0.385	0.077	0.009	0.005	0.045	0	---	---	0.102	1984
1985	---	---	0	0.373	0.132	0.003	0.001	0	0	0	---	---	0.063	1985
1986	---	---	0.004	0.342	0.133	0.348	0.020	0	0.001	0	---	---	0.104	1986
MEAN	---	---	0.005	0.187	0.275	0.214	0.030	0.013	0.015	0.004	---	---	0.092	MEAN

LOCATION - LAT 49 26 05 N
LONG 109 50 07 W REGULATED

INTERNATIONAL GAUGING STATION

GAFF DITCH NEAR MERRYFLAT - STATION NO 11AB102

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.518 ON APR 10	0 ON MAR 1 *	1 670	1984
1985	---	0.671 ON JUN 5	0 B ON MAR 1	1 200	1985
1986	---	0.530 ON JUN 4	0 B ON MAR 1	1 370	1986
1987	---	0.484 ON JUL 2	0 B ON MAR 1	1 830	1987
1988	---	0.663 ON APR 28	0.001 ON OCT 14	1 910	1988
1989	---	0.600 ON MAY 15	0 ON MAR 1	2 070	1989
1990	---	---	---	---	1990
1991	---	1.18 ON APR 22 *	0 B ON MAR 1	3 200	1991
1992	---	0.857 ON MAY 27	0 B ON MAR 1	2 900	1992
1993	---	0.680 ON JUN 17	0 B ON MAR 1	2 030	1993
1994	---	0.894 ON MAY 28	0 ON MAR 1	1 930	1994
1995	---	0.857 ON MAY 21	0 B ON MAR 1	1 440	1995
1996	---	0.680 ON APR 5	0 B ON MAR 1	3 010	1996
1997	---	0.932 ON APR 27	0 B ON MAR 1	1 770	1997
1998	---	0.612 ON MAY 25	0 B ON MAR 1	1 820	1998
1999	---	0.871 ON JUN 8	0 B ON MAR 1	2 270	1999
2000	---	0.496 ON APR 29	0 B ON MAR 1	1 420	2000
2001	---	0.516 ON APR 18	0 ON MAR 1	1 510	2001
2002	---	0.689 ON MAY 30	0 B ON MAR 1	1 880	2002
2003	---	0.592 ON APR 20	0 B ON MAR 1	2 080	2003
2004	---	0.639 ON MAY 7	0 B ON MAR 1	2 150	2004
2005	---	0.798 ON APR 14	0 B ON MAR 1	1 330	2005
2006	---	0.535 ON JUN 9	0 ON AUG 3	2 210	2006
				1 950	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO 05NF013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	6.27	0.952	0.183	0.004	0	0	0	---	---	0.911	1974
1975	---	---	0	4.94	2.13	1.38	0.063	0	1.74	0.841	---	---	1.37	1975
1976	---	---	0.002	22.4	0.567	0.083	0.010	0	0	0	---	---	2.63	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.005	0.011	0	0	0	0	0	0	---	---	0.002	1978
1979	---	---	0	2.05	0.671	0.014	0	0	0	0	---	---	0.335	1979
1980	---	---	0	0.009	0	0	0	0	0	0	---	---	0.001	1980
1981	---	0.073	0.023	0	0	0	0	0	0	0	---	---	0.002	1981
1982	---	---	0	1.28	0.063	0	0	0	0	0	---	---	0.184	1982
1983	---	---	0	2.48	0.193	0.002	0	0	0	0	---	---	0.328	1983
1984	---	---	0.001	0.001	0.023	0	0	0	0	0	---	---	0.003	1984
1985	---	---	0.491	0.732	0.041	0	0	1.92	0.781	0.387	---	---	0.643	1985
1986	---	0.014	1.83	0.684	1.13	0.009	0.010	0.002	0	0	---	---	0.435	1986
MEAN	---	0.044	0.154	2.92	0.405	0.120	0.006	0.137	0.178	0.088	---	---	0.493	MEAN

LOCATION - LAT 49 24 51 N DRAINAGE AREA 712 km^2
LONG 101 31 36 W NATURAL FLOW

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO 05NF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0 ON MAR 1	0 ON MAR 1 *	0	1973
1974	29.4 AT 09 05 CST ON APR 20	27.5 ON APR 20	08 ON MAR 1	19 200	1974
1975	20.0 AT 18 09 CST ON APR 28	17.4 ON APR 29	08 ON MAR 1	29 000	1975
1976	89.2 B AT 19 05 CST ON APR 10 *	75.9 B ON APR 10 *	01 ON JUL 27	59 800	1976
1977	---	0 B ON MAR 1	08 ON MAR 1	0	1977
1978	0.1108 AT 05 20 CST ON APR 7	0.0898 ON MAR 30	08 ON MAR 1	61.4	1978
1979	11.8 B AT 08 00 CST ON APR 25	8.84 B ON APR 26	08 ON MAR 1	6 890	1979
1980	0.112 AT 11 27 CST ON APR 14	0.084 ON APR 14	08 ON MAR 1	24.4	1980
1981	---	0.0758 ON MAR 1	0 ON APR 3	51.8	1981
1982	9.02 B AT 13 37 CST ON APR 17	7.52 B ON APR 17	08 ON MAR 1	3 480	1982
1983	11.2 AT 07 34 CST ON APR 23	10.7 ON APR 23	08 ON MAR 1	5 950	1983
1984	0.072 AT 23 25 CST ON MAY 10	0.068 ON MAY 10	08 ON MAR 1	85.1	1984
1985	8.68 AT 13 04 CST ON AUG 22	7.30 ON AUG 22	08 ON MAR 1	11 500	1985
1986	4.70 AT 03 44 CST ON MAY 10	4.38 ON MAY 10	0 ON JUN 29	8 200	1986
				10 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

GAP CREEK ABOVE JUNCTION RESERVOIR - STATION NO 05HA072

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0 938	0 081	0 011	0 006	0	0 006	0	0	---	---	0 132	1944
1945	---	---	0 059	0 005	0 220	0 037	0 001	0	0	0	---	---	0 045	1945
1946	---	---	0 278	0 043	0 039	0 058	0 105	0 003	0 001	0 003	---	---	0 087	1946
1947	---	---	0 547	0 251	0 060	0 046	0 007	0 001	0	0	---	---	0 114	1947
1948	---	---	0 314	0 573	0 055	0 081	0 013	0 001	0	0	---	---	0 138	1948
1949	---	---	0 021	0 092	0 024	0 023	0 006	0	0	0	---	---	0 021	1949
1950	---	---	0 080	0 131	0 004	0 011	0 053	0 083	0	0 044	---	---	0 052	1950
1951	---	---	0 142	3 16	1 25	0 313	0 073	0 223	0 182	0 082	---	---	0 887	1951
1952	---	---	3 92	8 52	0 506	0 176	0 530	0 251	0 019	0 054	---	---	1 73	1952
1953	---	---	0 156	0 410	1 92	4 75	0 216	0 046	0 057	0 017	---	---	0 982	1953
1954	---	0 083	0 011	0 528	0 522	1 05	0 190	0 079	0 083	0 143	---	---	0 324	1954
1955	---	---	0 929	15 9	2 85	0 231	0 934	0 203	0 095	0 088	---	---	2 59	1955
1956	---	---	0 231	0 133	0 134	0 181	0 079	0 026	0 013	0 009	---	---	0 088	1956
1957	---	---	0 088	0 291	0 190	0 102	0 055	0 051	0 012	0 018	---	---	0 098	1957
1958	---	---	0 251	0 285	0 035	0 014	0 005	0 018	0 006	0 006	---	---	0 077	1958
1959	---	---	0 310	0 115	0 035	0 287	0 025	0 024	0 018	0 017	---	---	0 101	1959
1960	---	---	0 947	0 100	0 584	0 028	0 009	0 081	0 012	0 022	---	---	0 233	1960
1961	---	---	0 060	0 010	0 009	0 003	0	0	0	0 001	---	---	0 010	1961
1962	---	---	0 141	0 082	0 015	0 552	0 034	0 019	0 111	0 027	---	---	0 117	1962
1963	---	---	0 093	0 041	0 034	0 026	0 030	0	0	0 003	---	---	0 028	1963
1964	---	---	0	0 031	0 189	0 052	0 042	0 201	0 003	0 005	---	---	0 083	1964
1965	---	---	0 158	2 77	0 474	1 06	0 503	0 085	0 032	0 015	---	---	0 841	1965
1966	---	---	0 740	1 13	0 618	0 046	0 022	0 110	0 002	0 006	---	---	0 336	1966
1967	---	---	0 738	1 51	8 08	0 158	0 046	0 036	0 118	0 017	---	---	1 35	1967
1968	---	---	0 005	0 032	0 026	0 015	0 001	0 013	0 024	0 015	---	---	0 017	1968
1969	---	---	1 11	0 333	0 159	0 021	0 106	0 010	0 007	0 003	---	---	0 220	1969
1970	---	---	0 080	1 24	1 19	0 237	0 116	0 048	0 001	0 050	---	---	0 370	1970
1971	---	0 820	0 384	0 712	0 084	0 428	0 155	0 033	0 017	0 020	---	---	0 226	1971
1972	---	---	0 483	0 074	0 051	0 214	0 008	0 017	0 002	0 008	---	---	0 103	1972
1973	---	---	0 071	0 157	0 058	0 089	0 009	0 002	0 001	0	---	---	0 045	1973
MEAN	---	0 452	0 443	1 30	0 840	0 341	0 116	0 055	0 027	0 021	---	---	0 385	MEAN

LOCATION - LAT 49 54 08 N DRAINAGE AREA 582 km²
LONG 109 34 41 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1962

GAP CREEK ABOVE JUNCTION RESERVOIR - STATION NO 05HA072

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1944	---	5 66 B ON MAR 16	0 B ON MAR 1 *	2 780	1944
1945	---	0 386 ON MAY 17	0 B ON MAR 1	887	1945
1946	1 81 AT 09 30 MST ON MAR 12	1 44 ON MAR 12	0 B ON MAR 1	1 420	1946
1947	3 510 AT 10 00 MST ON MAR 20	2 89 B ON MAR 20	0 B ON MAR 1	2 420	1947
1948	---	2 89 ON APR 17	0 B ON MAR 1	2 670	1948
1949	---	0 351 ON APR 12	0 B ON MAR 1	436	1949
1950	3 45 AT 15 00 MST ON JUL 31	1 95 ON JUL 31	0 B ON MAR 1	1 110	1950
1951	---	13 0 ON APR 29	0 B ON MAR 1	14 100	1951
1952	---	52 4 ON APR 7	0 B ON MAR 1	35 700	1952
1953	---	33 1 E ON JUN 4	0 B ON MAR 1	20 300	1953
1954	9 35 AT 18 30 MST ON JUN 12	7 08 ON JUN 13	0 B ON MAR 1	6 880	1954
1955	89 8 AT 10 00 MST ON APR 10 *	73 9 ON APR 10 *	0 B ON MAR 1	54 600	1955
1956	---	1 08 B ON MAR 23	0 B ON MAR 1	2 080	1956
1957	---	1 64 ON MAY 1	0 B ON MAR 8	2 070	1957
1958	2 498 AT 09 00 MST ON MAR 31	2 38 B ON MAR 31	0 ON MAY 14	1 640	1958
1959	8 51 AT 08 20 MST ON JUN 28	6 00 ON JUN 28	0 B ON MAR 1	2 130	1959
1960	---	7 59 B ON MAR 21	0 B ON MAR 1	4 710	1960
1961	---	0 1428 ON MAR 17	0 ON JUN 24	222	1961
1962	24 1 AT 13 00 MST ON JUN 14	9 28 ON JUN 14	0 B ON MAR 1	2 480	1962
1963	---	0 306 ON MAY 13	0 ON JUL 25	803	1963
1964	---	1 80 ON AUG 10	0 B ON MAR 1	1 340	1964
1965	---	14 8 B ON APR 10	0 005 ON OCT 16	13 800	1965
1966	---	3 26 ON APR 12	0 B ON MAR 1	7 170	1966
1967	---	34 5 ON MAY 9	0 ON AUG 12	26 600	1967
1968	---	0 187 ON SEP 25	0 B ON MAR 1	352	1968
1969	---	8 52 B ON MAR 18	0 0038 ON MAR 1	4 880	1969
1970	---	4 30 ON MAY 2	0 B ON MAR 1	7 830	1970
1971	---	5 78 ON JUN 7	0 ON OCT 29	4 780	1971
1972	---	3 71 ON JUN 9	0 B ON MAR 1	2 190	1972
1973	---	0 966 ON APR 25	0 B ON MAR 1	982	1973
				7 730	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GAP CREEK AT SMALL'S RANCH - STATION NO 05NA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	1.47	1.81	0.202	0.026	0	0.001	---	---	---	1909
1910	---	---	---	0.015	0.004	0	0	0	0	0	---	---	---	1910
1911	---	---	---	1.09	0.348	0.124	0.192	0.022	1.28	0.124	---	---	---	1911
1912	---	---	---	---	0.434	0.082	0	0.003	0	0.002	---	---	---	1912
1913	---	---	---	---	0.087	0.020	0.019	0	0	0	---	---	---	1913
1914	---	---	---	1.20	0.104	0.001	0	0	0.047	0.803	---	---	---	1914
1915	---	---	---	3.01	0.253	3.05	0.584	0.181	0.002	0.039	---	---	---	1915
1916	---	---	---	0.381	1.42	2.05	0.494	0.081	0.010	0.137	---	---	---	1916
MEAN	---	---	---	0.939	0.916	0.773	0.184	0.033	0.187	0.113	---	---	---	MEAN

LOCATION - LAT 49 47 28 N DRAINAGE AREA 604 km²
LONG 109 35 36 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1910 AND 1914

GAP CREEK AT SMALL'S RANCH - STATION NO 05NA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	0 ON AUG 28 *	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	0 ON JUN 25	---	1912
1913	---	---	0 ON JUN 29	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

GAP CREEK BELOW DOWNIE LAKE DIVERSION - STATION NO 05NA039

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.941	0	0	0	0	0	0	0	---	---	0.119	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	0	1945
1946	---	---	0	0	0	0	0	0	0	0	---	---	0	1946
1947	---	---	0.087	0	0	0	0	0	0	0	---	---	0.008	1947
1948	---	---	0	0	0	0	0	0	0	0	---	---	0	1948
1949	---	---	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	0.021	0.001	0.001	0	0	0	0	---	---	0.003	1950
1951	---	---	0.302	1.89	0.523	0.373	0.029	0.380	0.650	0.028	---	---	0.500	1951
1952	---	---	1.46	5.85	0.272	0.001	0	0	0	0	---	---	0.935	1952
1953	---	---	0.002	0.596	1.37	1.87	0.019	0.001	0	0	---	---	0.441	1953
1954	---	---	0	0.058	0.362	0.353	0.006	0.017	0.283	0.141	---	---	0.149	1954
1955	---	---	0.231	5.89	1.86	0.065	0.410	0.002	0.001	0.011	---	---	1.18	1955
1956	---	---	0.018	0.050	0.051	0.027	0.027	0	0	0.004	---	---	0.022	1956
1957	---	---	0.031	0.037	0.058	0.038	0	0	0	0	---	---	0.019	1957
1958	---	---	0.031	0.029	0.031	0.002	0	0	0	0	---	---	0.012	1958
1959	---	---	0.036	0.012	0.031	0.094	0.018	0	0	0	---	---	0.023	1959
1960	---	---	0.079	0.065	0.492	0.030	0	0	0	0	---	---	0.083	1960
1961	---	---	0.015	0	0	0	0	0	0	0	---	---	0.002	1961
1962	---	---	0.022	0.015	0.014	0.007	0	0	0	0	---	---	0.018	1962
1963	---	---	0.017	0.052	0.007	0.010	0.006	0	0	0	---	---	0.011	1963
1964	---	---	0.013	0.033	0.018	0.015	0.001	0	0	0	---	---	0.010	1964
1965	---	---	0.021	1.16	0.289	0.203	0.060	0	0.049	0.020	---	---	0.222	1965
1966	---	---	0.290	0.730	0.478	0.034	0.003	0.010	0	0	---	---	0.192	1966
1967	---	---	0.189	0.902	4.03	0.103	0.004	0	0	0	---	---	0.656	1967
1968	---	---	0.042	0.017	0.068	0.055	0.008	0	0.003	0.013	---	---	0.026	1968
1969	---	---	0.186	0.085	0.042	0.016	0.076	0	0	0	---	---	0.048	1969
1970	---	---	0.018	0.650	0.608	0.332	0.071	0.001	0	0	---	---	0.234	1970
1971	---	0.248	0.038	0.804	0.205	0.486	0.007	0	0	0	---	---	0.182	1971
1972	---	---	0.127	0.033	0.018	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.005	0.101	0.143	0.032	0	0	0	0	---	---	0.035	1973
1974	---	---	0.013	0.019	0.213	0.158	0	0	0	0	---	---	0.050	1974
1975	---	---	0.001	0.193	2.65	0.411	0.004	0	0	0.003	---	---	0.387	1975
1976	---	---	0.049	0.034	0.012	0.134	0.006	0	0	0	---	---	0.029	1976
1977	---	0.007	0.007	0.005	0.010	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.015	0.087	0.004	0.006	0	0	0.017	0.001	---	---	0.015	1978
1979	---	---	0.143	0.727	0.638	0.009	0.001	0	0	0	---	---	0.213	1979
1980	---	---	0.001	0.008	0.002	0	0	0	0	0	---	---	0.001	1980
1981	---	0.002	0.003	0.006	0.005	0.006	0	0	0	0	---	---	0.012	1981
1982	---	---	0.002	0.033	0.130	0.731	0.001	0	0	0	---	---	0.110	1982
1983	---	---	0.002	0.057	0.387	0.016	0.731	0	0	0	---	---	0.086	1983
1984	---	---	0.005	0.014	0.010	0.003	0	0	0	0	---	---	0.009	1984
1985	---	---	0.008	0.040	0.119	0.018	0	0	0	0	---	---	0.023	1985
1986	0.035	0.212	0.005	0.014	0.068	0.001	0	0	1.07	0.139	---	---	0.159	1986
MEAN	0.035	0.117	0.104	0.496	0.355	0.129	0.023	0.009	0.044	0.026	---	---	0.145	MEAN

LOCATION - LAT 49 46 13 N DRAINAGE AREA 235 km²
LONG 109 38 15 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1982

GAP CREEK BELOW DOWNIE LAKE DIVERSION - STATION NO 05HA069

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	16 2 ON MAR 17	0 ON MAR 1 *	2 520	1944
1945	---	0 ON MAR 1	0 ON MAR 1	0	1945
1946	---	0 ON MAR 1	0 ON MAR 1	0	1946
1947	---	2 07 E ON MAR 22	0 ON MAR 1	179	1947
1948	---	0 ON MAR 1	0 ON MAR 1	0	1948
1949	---	0 ON MAR 1	0 ON MAR 1	0	1949
1950	---	0 501E ON APR 15	08 ON MAR 1	61 2	1950
1951	---	7 85 ON APR 28	08 ON MAR 1	10 800	1951
1952	45 0 AT 21 00 MST ON APR 6	33 4 ON APR 6	08 ON MAR 1	19 900	1952
1953	14 0 AT 14 30 MST ON JUN 3	12 3 ON JUN 3	08 ON MAR 1	9 330	1953
1954	5 84 AT 09 00 MST ON JUN 11	5 07 ON JUN 11	08 ON MAR 1	3 150	1954
1955	53 0 E ON APR 9 *	45 3 E ON APR 9 *	08 ON MAR 1	25 000	1955
1956	0 176 AT 12 00 MST ON JUL 4	0 1708 ON MAR 30	08 ON MAR 1	470	1956
1957	0 224 AT 07 00 MST ON JUN 15	0 188 ON APR 30	0 ON MAY 17	410	1957
1958	0 3408 AT 02 30 MST ON APR 4	0 059 ON MAY 14	0 ON MAY 28	247	1958
1959	7 89 AT 20 00 MST ON JUN 27	2 14 ON JUN 27	08 ON MAR 4	491	1959
1960	4 76 AT 22 00 MST ON MAY 1	3 23 ON MAY 2	08 ON MAR 1	1 750	1960
1961	0 2838 AT 09 00 ON MAR 15	0 1138 ON MAR 14	08 ON MAR 2	38 2	1961
1962	11 5 AT 10 05 ON JUN 14	2 45 ON JUN 14	0 ON MAR 1	386	1962
1963	---	0 144 ON APR 10	0 ON JUN 1	241	1963
1964	0 323 AT 10 00 MST ON JUN 14	0 1534 ON MAR 23	0 ON MAR 1	210	1964
1965	15 2 AT 01 00 MST ON APR 14	5 18 ON APR 13	08 ON MAR 12	4 590	1965
1966	3 79 AT 07 00 MST ON MAY 3	2 81 ON MAY 4	08 ON MAR 1	4 060	1966
1967	19 9 AT 23 45 ON MAY 7	17 8 ON MAY 7	08 ON MAR 7	13 900	1967
1968	0 284 AT 02 47 ON JUN 1	0 252 ON JUN 1	0 ON JUL 28	548	1968
1969	0 875 AT 18 43 MST ON JUL 4	0 612 ON JUL 8	08 ON MAR 1	1 020	1969
1970	17 7 AT 22 13 MST ON APR 6	7 78 ON APR 7	0 ON AUG 11	4 940	1970
1971	6 43 AT 04 51 CST ON JUN 7	4 84 ON JUN 7	0 ON MAY 30	3 430	1971
1972	5 86 AT 04 54 CST ON MAR 17	1 22 ON MAR 17	08 ON MAR 1	475	1972
1973	0 275 AT 08 59 CST ON APR 28	0 261 ON MAY 11	0 ON JUN 10	743	1973
1974	0 623 AT 15 12 CST ON MAY 21	0 547 ON MAY 22	08 ON MAR 1	1 080	1974
1975	28 3 AT 20 55 CST ON MAY 6	19 7 ON MAY 7	08 ON MAR 1	8 210	1975
1976	1 86 R AT 09 38 CST ON MAR 18	0 8308 ON MAR 18	08 ON MAR 1	815	1976
1977	0 119 AT 03 35 CST ON MAY 20	0 083 ON MAY 20	0 ON MAR 17	56 0	1977
1978	0 438 AT 13 39 CST ON APR 6	0 422 ON APR 6	08 ON MAR 1	336	1978
1979	11 1 AT 02 26 CST ON APR 18	5 88 ON APR 18	08 ON MAR 1	4 500	1979
1980	0 017 AT 05 13 CST ON APR 20	0 016 ON APR 19	08 ON MAR 1	27 4	1980
1981	4 81 R AT 20 34 CST ON JUN 14	1 90 R ON JUN 14	0R ON JUN 6	261	1981
1982	11 0 AT 01 06 CST ON JUN 4	7 09 ON JUN 3	08 ON MAR 1	2 330	1982
1983	8 15 AT 01 38 CST ON JUL 11	3 93 ON JUL 11	08 ON MAR 1	1 820	1983
1984	0 279 AT 10 31 CST ON MAR 25	0 159 ON MAR 24	0 ON JUN 17	193	1984
1985	0 732 AT 07 56 CST ON APR 2	0 461 ON MAY 14	0 ON MAR 1	490	1985
1986	30 8 AT 17 00 CST ON SEP 26	13 8 ON SEP 26	0 ON JUN 12	3 380	1986
				3 070	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

GAP CREEK NEAR MAPLE CREEK - STATION NO 05HA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0	0	---	---	---	---	---	---	1910
1911	---	---	---	2 95	0 401	0 160	0 848	0	---	---	---	---	---	1911
1912	---	---	---	---	0 443	0 154	0 005	0 004	0	0	---	---	---	1912
1913	---	---	---	2 31	0 146	0 006	0 004	0	0	0	---	---	---	1913
1914	---	---	---	1 51	0 116	0 001	0	0	0 036	0 120	---	---	---	1914
1915	---	---	---	8 35	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	3 78	0 277	0 080	0 172	0 001	0 012	0 040	---	---	---	MEAN

LOCATION - LAT 49 56 29 N
LONG 109 31 49 W
DRAINAGE AREA 712 km^2
NATURAL FLOW

GAP CREEK NEAR MAPLE CREEK - STATION NO 05HA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUN 1 *	---	1910
1911	---	---	0 ON JUN 18	---	1911
1912	---	---	0 ON JUN 27	---	1912
1913	---	---	0 ON AUG 3	---	1913
1914	---	---	0E ON MAY 24	---	1914
1915	---	33 1 ON APR 3 *	---	---	1915
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GARDEN RIVER NEAR HENRIBOURG - STATION NO 05GG010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.546	0.172	0.009	0.003	---	---	---	1966
1967	---	---	0.006	0.206	0.655	0.025	0.004	0.009	0	0	---	---	0.101	1967
1968	---	---	0.427	0.797	0.152	0.091	0	0	0.527	0.371	---	---	0.294	1968
1969	---	---	0	4.54	0.188	0.002	0	0	0	0.409	---	---	0.631	1969
1970	---	---	0	7.55	1.78	0.077	3.20	0.240	0.004	0.020	---	---	1.60	1970
1971	---	---	0	3.35	0.270	0.008	0.737	0.171	0	0	---	---	0.550	1971
1972	---	---	0	8.12	3.84	0.663	0.089	0.071	0.001	0	---	---	1.58	1972
1973	---	---	0.001	1.80	1.21	7.05	5.45	0.584	0.213	0.252	---	---	2.20	1973
1974	---	---	0.015	10.9	7.43	4.33	5.14	1.74	0.726	0.583	---	---	3.84	1974
1975	---	---	0	4.94	5.55	2.89	0.828	0.002	0.009	0.008	---	---	1.74	1975
1976	---	---	0	0.385	0.003	0	0	0	0	0	---	---	0.046	1976
1977	---	---	0	0.006	0.014	0.018	0.001	0	0	0.011	---	---	0.006	1977
1978	---	---	0	2.75	0.591	0.472	0.046	0	0.039	0.149	---	---	0.498	1978
1979	---	---	0	8.55	4.28	0.950	0.119	0.001	0.095	0.101	---	---	1.87	1979
1980	---	---	0	2.24	0.027	0	0	0	0.025	0.228	---	---	0.310	1980
1981	---	---	0.087	1.17	0.314	0.041	0	0	0	0	---	---	0.199	1981
1982	---	---	0	1.45	0.216	0	0	0	0.014	0.091	---	---	0.218	1982
1983	---	---	0	4.25	1.49	0.089	0.167	0.006	0	0	---	---	0.761	1983
1984	---	---	0.014	3.44	1.85	2.85	0.142	0	0	0.051	---	---	1.04	1984
1985	---	---	0.011	15.5	4.99	0.670	0.191	0.015	0	0.043	---	---	2.84	1985
1986	---	---	0.105	2.45	0.783	0.040	0	0	0	0	---	---	0.415	1986
MEAN	---	---	0.033	4.27	1.78	1.00	0.840	0.148	0.079	0.110	---	---	1.03	MEAN

LOCATION - LAT 53 23 38 N DRAINAGE AREA 903 km²
LONG 106 36 39 W NATURAL FLOW

GARDEN RIVER NEAR HENRIBOURG - STATION NO 05GG010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON SEP 14 *	---	1966
1967	3.238 AT 09 00 CST ON APR 30	2.07 B ON APR 30	0 ON JUN 5	2 140	1967
1968	4.058 AT 10 00 CST ON MAR 30	3.45 B ON MAR 31	0 B ON MAR 14	6 220	1968
1969	21.1 B AT 01 00 CST ON APR 13	19.8 B ON APR 13	0 B ON MAR 1	13 400	1969
1970	20.2 AT 04 00 CST ON APR 19	19.9 ON APR 19	0 B ON MAR 1	33 800	1970
1971	15.3 AT 08 24 CST ON APR 17	15.1 ON APR 17	0 B ON MAR 1	11 900	1971
1972	39.9 AT 21 08 CST ON APR 24	36.8 ON APR 24	0 B ON MAR 1	33 500	1972
1973	30.8 AT 15 40 CST ON JUL 6	16.9 ON JUL 6	0 B ON MAR 1	46 600	1973
1974	52.7 AT 13 41 CST ON APR 21	51.0 ON APR 21 *	0.0148 ON MAR 1	81 400	1974
1975	16.4 AT 02 50 CST ON MAY 2	16.1 ON MAY 1	0 B ON MAR 1	35 900	1975
1976	3.03 AT 07 31 CST ON APR 11	1.53 ON APR 7	0 B ON MAR 1	955	1976
1977	---	0.156 ON JUN 1	0 B ON MAR 1	133	1977
1978	8.67 AT 19 09 CST ON APR 22	7.96 ON APR 22	0 B ON MAR 1	10 500	1978
1979	45.0 AT 21 30 CST ON APR 23	40.9 B ON APR 23	0 B ON MAR 1	39 700	1979
1980	11.4 AT 15 57 CST ON APR 16	11.0 ON APR 16	0 B ON MAR 1	6 550	1980
1981	2.078 AT 10 54 CST ON APR 7	1.83 B ON APR 6	0 B ON MAR 1	4 210	1981
1982	6.03 AT 14 01 CST ON APR 23	5.95 ON APR 23	0 B ON MAR 1	4 620	1982
1983	21.1 AT 23 01 CST ON APR 23	20.1 ON APR 24	0 B ON MAR 1	15 600	1983
1984	13.1 AT 12 17 CST ON APR 10	12.9 ON APR 10	0 B ON MAR 1	22 100	1984
1985	53.8 AT 07 21 CST ON APR 22 *	50.9 ON APR 22	0 B ON MAR 14	55 800	1985
1986	8.458 AT 05 23 CST ON APR 9	7.74 B ON APR 9	0 B ON MAR 1	8 780	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		21 700	MEAN

GEIKIE RIVER BELOW WHEELER RIVER - STATION NO 08DA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	44.1	36.8	31.0	28.0	25.3	---	1966
1967	23.6	22.5	21.7	31.7	107	75.1	66.8	56.3	39.3	32.6	31.3	27.6	44.8	1967
1968	19.2	17.5	17.2	23.7	52.7	44.8	42.2	27.8	29.5	51.9	44.1	32.9	33.7	1968
1969	29.9	28.6	26.9	46.4	80.2	44.0	32.8	27.4	23.7	32.1	31.0	27.2	34.2	1969
1970	25.0	23.7	22.6	22.7	50.7	42.4	41.3	40.5	44.9	43.0	41.1	31.0	35.8	1970
1971	26.6	25.3	23.9	36.1	53.9	40.1	60.7	50.0	52.7	80.2	46.2	42.5	43.5	1971
1972	38.9	37.9	37.1	35.2	82.2	54.5	46.4	38.1	34.0	46.3	40.9	32.4	44.0	1972
1973	35.1	32.5	31.0	37.2	54.3	63.9	77.2	59.2	43.7	38.2	36.8	35.1	45.5	1973
1974	33.8	32.8	32.3	43.8	57.2	48.0	81.2	64.2	63.5	55.7	49.9	47.3	49.3	1974
1975	42.7	38.7	36.2	42.7	80.3	70.5	101	78.5	59.1	55.0	48.3	38.7	58.0	1975
1976	36.6	38.8	42.6	54.6	62.8	43.1	88.5	117	120	97.8	76.8	55.0	68.7	1976
1977	41.4	49.0	47.7	88.1	86.6	119	109	65.6	79.9	69.2	55.7	44.0	74.2	1977
1978	35.5	42.2	41.8	37.3	104	92.8	68.3	78.3	90.2	83.1	71.1	56.5	67.8	1978
1979	52.8	54.4	53.7	45.5	88.4	91.1	72.3	68.5	64.5	69.4	63.2	47.9	65.3	1979
1980	44.2	44.6	44.8	60.6	55.9	36.9	34.3	40.0	41.6	55.2	46.3	33.4	44.8	1980
1981	30.0	30.2	32.8	35.4	92.3	58.2	38.0	24.7	19.5	19.3	20.9	18.3	35.1	1981
1982	10.3	5.56	5.52	11.8	74.9	77.7	80.9	65.3	54.4	43.1	33.5	32.5	39.8	1982
1983	31.5	30.1	29.8	42.3	66.7	81.9	55.9	49.8	64.1	61.6	52.2	37.6	49.7	1983
1984	31.9	31.4	33.9	88.3	88.6	59.6	42.8	34.1	26.8	30.8	32.5	29.6	40.9	1984
1985	24.8	24.3	27.1	32.4	112	69.5	80.5	44.4	51.3	43.3	36.0	26.5	44.2	1985
1986	24.9	25.3	25.5	35.8	97.0	76.9	72.7	62.2	46.6	43.9	33.3	29.6	48.0	1986
MEAN	32.0	31.8	31.7	41.6	75.8	64.5	61.7	55.1	51.7	51.1	43.9	35.8	48.5	MEAN

LOCATION - LAT 57 35 20 N DRAINAGE AREA 7 730 km²
LONG 104 12 10 W NATURAL FLOW

CEIKIE RIVER BELOW WHEELER RIVER - STATION NO 08DA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	---	---	---	---	1986
1987	---	119 E ON MAY 10	21 0 B ON APR 7	1 410 000	1987
1988	74 8 AT 22 00 CST ON APR 24	97 5 ON MAY 11	16 8 B ON MAR 13	1 060 000	1988
1989	---	74 8 ON APR 25	22 1 E ON OCT 6	1 080 000	1989
1970	---	58 0E ON MAY 16	21 5 B ON APR 19	1 130 000	1970
1971	73 3 AT 18 42 CST ON JUL 13	72 8 ON JUL 13	22 7 B ON APR 15	1 370 000	1971
1972	108 AT 19 07 CST ON MAY 4	107 ON MAY 4	28 6 ON DEC 6	1 390 000	1972
1973	90 8 AT 16 11 CST ON JUL 14	89 8 ON JUL 15	30 3 ON MAR 29	1 430 000	1973
1974	76 2 AT 00 44 CST ON APR 30	76 2 ON APR 30	31 7 B ON APR 2	1 550 000	1974
1975	123 AT 06 48 CST ON JUL 4	122 ON JUL 3	35 1 B ON APR 5	1 830 000	1975
1976	157 AT 23 48 CST ON JUL 31 *	157 ON JUL 31	34 8 ON APR 2	2 170 000	1976
1977	126 AT 23 05 CST ON JUN 9	126 ON JUN 11	37 9 B ON JAN 11	2 340 000	1977
1978	---	127 A ON MAY 8	33 7 B ON JAN 9	2 140 000	1978
1979	---	159 E ON MAY 28 *	38 8 ON APR 18	2 060 000	1979
1980	91 3 AT 12 48 CST ON APR 24	90 8 ON APR 24	29 5 ON JUL 11	1 420 000	1980
1981	112 AT 11 30 CST ON MAY 12	112 ON MAY 13	16 4 B ON DEC 31	1 110 000	1981
1982	89 4 AT 23 21 CST ON JUN 12	88 9 ON JUN 12	4 948 ON MAR 2 *	1 260 000	1982
1983	95 4 AT 16 42 CST ON JUN 16	95 7 ON JUN 16	26 1 B ON APR 5	1 570 000	1983
1984	118 AT 13 14 CST ON APR 22	116 ON APR 22	25 1 ON SEP 8	1 290 000	1984
1985	136 AT 09 09 CST ON MAY 8	136 ON MAY 8	23 5 B ON FEB 16	1 480 000	1985
1986	125 AT 14 31 CST ON MAY 23	124 ON MAY 22	24 1 B ON FEB 9	1 510 000	1986
				1 530 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GIBSON CREEK NEAR RADVILLE - STATION NO 05NA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0 124	0 017	0	0	0	---	---	0 017	1959
1960	---	---	1 25	0 191	0 001	0	0	0	0	0	---	---	0 182	1960
1961	---	---	0 004	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0 586	0 126	0 001	0 002	0	0	0	0	---	---	0 090	1962
1963	---	---	0 204	0 053	0 004	0 045	0 024	0	0	0	---	---	0 041	1963
1964	---	---	0	0 277	0 013	0	0	0	0	0	---	---	0 036	1964
1965	---	---	0	1 55	0 778	0 357	0 004	0	0 033	0 001	---	---	0 336	1965
1966	---	---	0 333	0 028	0 029	0	0	0 007	0	0	---	---	0 050	1966
1967	---	---	0 578	1 31	0 492	0 013	0	0	0	0	---	---	0 298	1967
1968	---	---	0 071	0	0	0	0	0 257	0 007	0	---	---	0 042	1968
1969	---	---	0	4 05	0 181	0 002	0 007	0 001	0	0	---	---	0 517	1969
1970	---	---	0 005	1 18	1 72	0 086	0	0	0	0	---	---	0 273	1970
1971	---	---	0 362	1 44	0 010	0 329	0 187	0	0	0	---	---	0 285	1971
1972	---	---	2 00	0 202	0 017	0 337	0 001	0	0	0	---	---	0 321	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	3 83	0 523	0 052	0	0	0	0	---	---	0 541	1974
1975	---	---	0	4 24	0 481	0 042	0 088	0	0	0	---	---	0 599	1975
1976	---	---	4 12	2 62	0 043	1 72	0 030	0 002	0	0	---	---	1 05	1976
1977	---	---	0	0 002	0 011	0	0 004	0 012	0 002	0 001	---	---	0 004	1977
1978	---	---	2 53	0 355	0 022	0 440	5 24	0 022	0 322	0 031	---	---	1 13	1978
1979	---	---	0 545	5 15	1 98	0 435	0 012	0	0	0	---	---	1 00	1979
1980	---	---	0 031	0 050	0	0	0	0	0	0	---	---	0 010	1980
1981	---	0 058	0 011	0	0	0 015	0	0	0	0	---	---	0 003	1981
1982	---	---	0	4 05	0 059	0 017	0 486	0 001	0	0	---	---	0 588	1982
1983	---	---	0 103	3 05	0 081	0 003	0	0	0	0	---	---	0 397	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0 181	0 001	0	0	0	0	0	0	---	---	0 020	1985
1986	---	0 175	0 875	0	0 026	0	0	0	0	0	---	---	0 089	1986
MEAN	---	0 117	0 485	1 21	0 230	0 144	0 218	0 011	0 013	0 001	---	---	0 285	MEAN

LOCATION - LAT 49 29 02 N
LONG 104 20 11 W
DRAINAGE AREA 528 km^2
REGULATED

GIBSON CREEK NEAR RADVILLE - STATION NO 05NA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	2.61 ON JUN 28	0 ON MAR 1 *	389	1959
1960	---	15.2 ON MAR 27	0B ON MAR 1	3 850	1960
1961	---	0.0318 ON MAR 15	0B ON MAR 1	10.0	1961
1962	6.85 AT 07:30 CST ON MAR 27	5.78 ON MAR 26	0B ON MAR 1	1 900	1962
1963	1.71 B AT 15:30 CST ON MAR 22	1.49 B ON MAR 23	0B ON MAR 1	875	1963
1964	1.72 A AT 13:15 CST ON APR 4	1.40 A ON APR 4	0 ON MAR 1	753	1964
1965	19.1 AT 14:30 CST ON APR 13	16.2 ON APR 13	0B ON MAR 1	7 120	1965
1966	2.22 A AT 18:00 CST ON MAR 16	2.10 A ON MAR 16	0B ON MAR 1	1 060	1966
1967	13.8 B AT 19:30 CST ON APR 8	6.26 B ON APR 6	0B ON MAR 1	5 310	1967
1968	5.44 AT 01:00 CST ON AUG 22	2.34 ON AUG 22	0B ON MAR 29	898	1968
1969	---	26.7 B ON APR 5	0B ON MAR 1	11 000	1969
1970	20.8 AT 08:12 CST ON MAY 3	16.5 ON MAY 3	0B ON MAR 1	7 880	1970
1971	10.1 B AT 02:06 CST ON APR 1	7.96 B ON APR 1	0B ON MAR 1	6 040	1971
1972	15.4 AT 12:14 CST ON MAR 16	13.7 ON MAR 17	0B ON MAR 1	6 790	1972
1973	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1973
1974	24.4 AT 14:36 CST ON APR 14	18.8 ON APR 14	0B ON MAR 1	11 500	1974
1975	30.6 B AT 13:00 CST ON APR 22	26.4 B ON APR 22	0B ON MAR 1	12 700	1975
1976	29.4 AT 09:54 CST ON APR 1	25.7 ON APR 1	0B ON MAR 1	22 500	1976
1977	0.326 AT 20:11 CST ON JUL 29	0.099 ON MAY 19	0B ON MAR 1	85.3	1977
1978	80.7 AT 18:28 CST ON JUL 8 *	56.4 ON JUL 8 *	0B ON MAR 1	23 900	1978
1979	40.1 B AT 17:08 CST ON APR 18	28.7 B ON APR 18	0B ON MAR 1	21 300	1979
1980	0.8138 AT 01:38 CST ON MAR 31	0.4398 ON MAR 31	0B ON MAR 1	210	1980
1981	1.01 AT 14:40 CST ON JUN 15	0.306 ON JUN 15	0 ON MAR 16	87.0	1981
1982	26.4 B AT 03:28 CST ON APR 15	19.7 B ON APR 15	0B ON MAR 1	12 000	1982
1983	14.1 AT 14:48 CST ON APR 11	11.7 ON APR 11	0B ON MAR 1	8 410	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	3.42 B ON MAR 15	0.8008 ON MAR 15	0B ON MAR 1	434	1985
1986	---	2.92 B ON MAR 2	0 ON MAR 31	1 880	1986
				6 070	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GILCHRIST BROS. DAVIS CREEK DITCH NEAR VIDORA - STATION NO 11AC050

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1927
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
MEAN	---	---	0	0	0	0.001	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 30 20 N
LONG 109 20 12 W
REGULATED

GILCHRIST BROS. DAVIS CREEK DITCH NEAR VIDORA - STATION NO 11AC050

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	0.011E ON JUN 28 *	0 ON MAR 1 *	3.80	1927
1928	---	---	0 ON MAR 30	---	1928
				3.80	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GILCHRIST BROS. DITCH NEAR CONSUL - STATION NO 11AB025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0	0	0.012	0.029	0	0	0.026	0.010	---	---	0.009	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
MEAN	---	---	0	0	0.001	0.002	0	0	0.002	0.001	---	---	0.001	MEAN

LOCATION - LAT 49 21 50 N
LONG 109 32 35 W
REGULATED

GILCHRIST BROS DITCH NEAR CONSUL - STATION NO 11AB025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	0.142 ON JUN 18 *	0 ON MAR 1 *	200	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0 ON MAR 1	0 ON MAR 1	0	1920
1921	---	0 ON MAR 1	0 ON MAR 1	0	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12	MEAN

GIRARD CREEK NEAR CORONACH - STATION NO 11AE015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.218	0.125	0.084	0.080	0.078	0.087	0.084	0.097	---	---	0.105	1980
1981	---	---	0.150	0.117	0.120	0.144	0.161	0.092	0.109	0.112	---	---	0.126	1981
1982	---	---	0.136	4.74	0.231	0.171	---	---	0.088	0.144	---	---	---	1982
1983	---	---	0.178	0.156	0.138	0.127	0.111	0.109	0.097	0.103	---	---	0.127	1983
1984	---	0.166	0.327	0.140	0.126	0.221	0.123	0.119	0.139	0.137	---	---	0.167	1984
1985	---	0.252	0.371	0.170	0.117	0.122	0.125	0.120	0.132	0.130	---	---	0.181	1985
1986	---	1.20	0.708	0.117	0.133	0.103	0.107	0.104	0.075	0.078	---	---	0.179	1986
MEAN	---	0.539	0.298	0.795	0.136	0.138	0.118	0.105	0.103	0.114	---	---	0.144	MEAN

LOCATION - LAT 49 06 45 N DRAINAGE AREA 880 km^2
LONG 105 33 52 W REGULATED

GIRARD CREEK NEAR CORONACH - STATION NO 11AE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	1.30 AT 04 49 CST ON MAR 30	0.940 ON MAR 30	0.0608 ON MAR 1	2 250	1980
1981	---	0.268 ON JUL 14	0.064 ON AUG 24	2 860	1981
1982	49.0 B AT 01 05 CST ON APR 14 *	42.4 B ON APR 14 *	---	---	1982
1983	---	0.299 ON MAR 1	0.088 ON SEP 12	2 700	1983
1984	6.60 AT 03 34 CST ON JUN 21	2.18 ON JUN 21	0.069 ON AUG 19	3 530	1984
1985	---	0.958 ON MAR 15	0.060 ON JUL 11	3 410	1985
1986	---	3.88 ON MAR 1	0.022 ON SEP 2 *	3 800	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 060	MEAN

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	2.17	0.076	---	---	---	---	---	---	---	---	1958
1960	---	---	---	5.11	0.400	---	---	---	---	---	---	---	---	1960
1962	---	---	---	2.38	1.17	0.323	---	---	---	---	---	---	---	1962
1965	---	---	0	3.96	0.125	0.083	0.131	0.075	0	0	---	---	0.540	1965
1966	---	---	0	5.29	0.214	0.129	0.108	0.017	0.018	0	---	---	0.708	1966
1967	---	---	0	1.11	4.06	0.042	0	0	0	0	---	---	0.655	1967
1968	---	---	1.00	0.778	0.035	0.002	0	0	0	0	---	---	0.227	1968
1969	---	---	0	4.27	0.066	0	0.001	0	0	0	---	---	0.531	1969
1970	---	---	0	6.91	0.841	0.008	0.071	0.002	0	0	---	---	0.875	1970
1971	---	---	0	4.80	0.237	0	0.008	0.015	0	0	---	---	0.821	1971
1972	---	---	0	10.3	1.10	0.037	0	0	0	0	---	---	1.40	1972
1973	---	---	0	0.048	0.014	1.84	0.239	0	0	0	---	---	0.282	1973
1974	---	---	0	16.6	5.04	0.594	0.008	0	0	0	---	---	2.88	1974
1975	---	---	0	5.12	7.28	0.494	0.096	0	0	0	---	---	1.82	1975
1976	---	---	0	2.01	0.040	0	0	0	0	0	---	---	0.252	1976
1977	---	---	0	0.301	0.141	0.120	0.001	0	0	0	---	---	0.070	1977
1978	---	---	0	6.45	0.351	0.012	0.057	0.009	0	0	---	---	0.844	1978
1979	---	---	0	10.6	5.01	1.05	0.489	0.001	0	0	---	---	2.12	1979
1980	---	---	0	5.62	0.146	0	0	0	0	0	---	---	0.707	1980
1981	---	---	0.001	0.018	0.009	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	2.64	0.174	0.186	0	0	0	0	---	---	0.386	1982
1983	---	---	0	1.35	0.545	0.013	0.184	0.110	0	0	---	---	0.271	1983
1984	---	---	0.170	1.86	0.761	0.815	0.001	0	0	0	---	---	0.458	1984
1985	---	---	0	13.6	0.407	0.013	0	0	0	0	---	---	1.72	1985
1986	---	---	0.121	1.26	0.117	0	0	0	0	0	---	---	0.185	1986
MEAN	---	---	0.059	4.62	1.18	0.254	0.061	0.010	0.001	0	---	---	0.792	MEAN

LOCATION - LAT 52 54 28 N DRAINAGE AREA, 510 km²
LONG 104 50 18 W REGULATED

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1960	---	---	---	---	1960
1962	---	---	---	---	1962
1965	---	24.8 B ON APR 13	0B ON MAR 1 *	11 400	1965
1966	---	14.8 ON APR 14	0B ON MAR 1	15 000	1966
1967	---	15.4 B ON APR 30	0B ON MAR 1	13 900	1967
1968	---	8.75 B ON MAR 27	0B ON MAR 1	4 800	1968
1969	37.1 B AT 11:00 CST ON APR 12	29.4 ON APR 13	0B ON MAR 1	11 300	1969
1970	---	21.7 B ON APR 12	0B ON MAR 1	20 600	1970
1971	25.7 AT 07:14 CST ON APR 14	22.2 ON APR 14	0B ON MAR 1	13 100	1971
1972	---	42.6 ON APR 22	0B ON MAR 1	29 700	1972
1973	8.16 AT 03:31 CST ON JUN 7	7.93 ON JUN 7	0B ON MAR 1	5 540	1973
1974	---	107 ON APR 20 *	0B ON MAR 1	80 900	1974
1975	32.0 AT 06:06 CST ON APR 30	29.2 ON APR 30	0B ON MAR 1	34 300	1975
1976	---	8.44 ON APR 8	0B ON MAR 1	5 330	1976
1977	---	1.33 ON APR 13	0B ON MAR 1	1 470	1977
1978	---	33.1 B ON APR 11	0B ON MAR 1	17 800	1978
1979	53.0 AT 06:00 CST ON APR 26 *	50.0 ON APR 26	0B ON MAR 1	44 900	1979
1980	35.7 B AT 01:12 CST ON APR 16	32.4 B ON APR 16	0B ON MAR 1	15 000	1980
1981	0.071 AT 21:49 CST ON APR 11	0.061 ON APR 11	0B ON MAR 1	71.5	1981
1982	15.1 AT 13:09 CST ON APR 17	14.0 ON APR 17	0B ON MAR 1	7 750	1982
1983	7.11 AT 12:39 CST ON APR 22	6.81 ON APR 22	0B ON MAR 1	5 740	1983
1984	6.78 AT 07:46 CST ON APR 6	6.44 ON APR 6	0B ON MAR 1	9 700	1984
1985	46.0 AT 10:08 CST ON APR 15	44.4 ON APR 15	0B ON MAR 1	36 400	1985
1986	6.52 AT 10:33 CST ON APR 1	6.30 ON APR 1	0B ON MAR 1	3 910	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		16 800	MEAN

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	13.4	12.8	13.0	---	1973
1974	13.0	13.0	---	---	---	---	38.2	45.4	36.8	30.6	---	---	---	1974
1976	---	---	---	---	---	53.7	39.7	30.1	28.3	24.4	23.7	22.7	---	1976
1977	21.0	19.8	18.7	18.7	26.1	52.9	62.7	56.8	82.6	58.3	49.2	40.3	40.7	1977
1978	---	---	---	---	27.7	40.9	39.0	32.9	27.9	25.7	24.3	23.5	---	1978
1979	21.9	21.5	18.2	16.8	18.5	31.2	30.2	22.0	17.6	16.9	17.1	16.5	20.8	1979
1980	15.5	14.6	13.4	13.1	15.3	19.5	20.0	15.7	11.8	9.56	8.53	8.48	13.8	1980
1981	8.32	8.25	8.25	8.84	10.8	17.8	18.4	15.9	13.3	11.3	10.7	11.3	11.9	1981
1982	10.9	10.7	10.4	10.6	14.5	36.8	41.6	31.6	27.3	27.0	24.4	23.3	22.5	1982
1983	22.0	20.9	19.7	18.2	19.6	34.3	37.3	37.8	30.7	24.9	23.2	22.0	25.9	1983
1984	21.2	20.0	18.2	19.1	28.0	33.6	39.8	48.3	50.8	43.0	38.3	33.3	32.8	1984
1985	28.3	24.8	23.1	21.5	44.3	51.8	34.0	25.1	20.4	16.5	15.8	16.4	26.8	1985
1986	15.9	15.6	14.5	14.1	23.5	45.8	48.3	47.2	43.8	34.0	28.7	28.5	29.9	1986
MEAN	17.8	16.9	16.2	15.7	22.8	38.0	37.4	34.1	30.8	25.8	23.1	21.4	25.0	MEAN

LOCATION - LAT 59 32 50 N DRAINAGE AREA, 4 840 km²
LONG 108 24 40 W NATURAL FLOW

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1976	---	---	---	---	1976
1977	---	67.7 ON JUL 1 *	18.3 ON APR 3	1 280 000	1977
1978	43.6 AT 12:22 CST ON JUN 17	43.6 ON JUN 16	---	---	1978
1979	34.0 AT 15:16 CST ON JUN 25	33.8 ON JUN 26	15.0 R ON DEC 29	655 000	1979
1980	21.6 AT 17:04 CST ON JUL 1	21.4 ON JUL 1	8.31 ON NOV 20	436 000	1980
1981	---	20.0E ON JUN 30	8.20E ON FEB 28 *	378 000	1981
1982	---	45.0 ON JUL 5	10.4 B ON MAR 16	709 000	1982
1983	41.3 AT 15:43 CST ON AUG 1	41.1 ON AUG 1	17.4 ON MAY 6	817 000	1983
1984	53.6 AT 15:03 CST ON AUG 30	53.4 ON SEP 7	17.4 ON MAR 21	1 040 000	1984
1985	51.1 AT 14:48 CST ON MAY 27 *	50.7 ON MAY 28	15.7 A ON NOV 9	847 000	1985
1986	49.5 AT 18:33 CST ON JUL 20	49.0 ON JUL 19	13.7 ON MAY 1	942 000	1986
				789 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986

GREENWATER CREEK NEAR CHELAN - STATION NO. 05LB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.022	1.35	---	---	---	---	---	---	---	---	1956
1957	---	---	---	1.03	1.26	---	---	---	---	---	---	---	---	1957
1958	---	---	---	0.217	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.119	---	---	---	---	---	---	---	---	---	---	1959
1961	---	---	---	0.838	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	0.558	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	0.191	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.488	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.283	0.454	---	---	---	---	---	---	---	---	1965
1966	---	---	---	---	1.52	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.283	1.13	1.09	---	---	---	---	---	---	---	1967
1968	---	---	0.018	---	---	---	---	---	---	---	---	---	---	1968
1972	---	---	---	---	1.27	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	0.525	---	---	---	---	---	---	---	---	1973
1974	---	---	---	1.03	2.80	1.18	---	---	---	---	---	---	---	1974
1975	---	---	0	0.647	2.15	1.03	0.247	0.034	0.057	0.142	---	---	0.537	1975
1976	---	---	0.030	0.549	0.221	0.480	0.456	0.041	0.250	0.339	---	---	0.292	1976
1977	---	---	0.024	0.158	0.074	0.013	0.001	0.001	0.053	0.034	---	---	0.044	1977
1978	---	---	0	0.335	0.135	0.054	0.004	0	0	0	---	---	0.065	1978
1979	---	---	0	0.211	3.03	1.52	0.092	0	0	0	---	---	0.607	1979
MEAN	---	---	0.027	0.454	1.23	0.784	0.180	0.015	0.072	0.103	---	---	0.309	MEAN

LOCATION - LAT 52 36 30 N LONG 103 23 10 W DRAINAGE AREA 219 km^2 NATURAL FLOW

GREENWATER CREEK NEAR CHELAN - STATION NO. 05LB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	4.70 ON APR 30	0.8 ON MAR 1 *	11 400	1975
1976	---	2.08 ON JUN 28	0.003 ON JUL 30	6 170	1976
1977	---	0.767 ON APR 14	0 ON JUN 22	938	1977
1978	---	1.99 ON APR 21	0.8 ON MAR 1	1 380	1978
1979	---	5.61 ON MAY 13 *	0.8 ON MAR 1	12 900	1979
				6 560	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMOND DITCH NEAR GOVENLOCK - STATION NO. 11AB034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	0.015	0.033	0	0	0	0	0	---	---	0.006	1921
1922	---	---	0	0	0.038	0	0	0	0	0	---	---	0.005	1922
MEAN	---	---	0	0.008	0.036	0	0	0	0	0	---	---	0.006	MEAN

LOCATION - LAT 49 05 55 N LONG 109 50 20 W REGULATED

HAMMOND DITCH NEAR COVENLOCK - STATION NO 11AB034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.045 ON APR 21	0 ON MAR 1 *	120	1921
1922	---	0.071 ON MAY 20 *	0 ON MAR 1	101	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		110	MEAN

HAPPYLAND CREEK NEAR FOX VALLEY - STATION NO 05HB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0.003	0.013	0	0	0	0	0	0	---	---	0.002	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.001	0.027R	0	0	0	0	0	0	---	---	0.0030	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.022	0.047	0	0	0	0	0	0	---	---	0.009	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	0	0.003	0.009R	0	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 50 43 57 N
LONG 109 32 27 W
DRAINAGE AREA, 94.6 km^2
REGULATED

R - REVISED SINCE JAN 1980

HAPPYLAND CREEK NEAR FOX VALLEY - STATION NO 05HB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	0.8 AT 00:01 CST ON MAR 1	0.8 ON MAR 1	0R ON MAR 1 *	0	1977
1978	---	0.001R ON APR 5	0R ON MAR 1	0.00	1978
1979	0.087 AT 07:58 CST ON APR 1	0.065 ON APR 1	0R ON MAR 1	41.8	1979
1980	---	0.8 ON MAR 1	0R ON MAR 1	0	1980
1981	0.8 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1981
1982	0.338RB AT 09:05 CST ON APR 9 *	0.137RB ON APR 8	0R ON MAR 1	73.4 R	1982
1983	0.197R AT 23:41 CST ON JUL 15	0.002 ON JUL 15	0 ON MAR 1	0.95	1983
1984	0 AT 00:00 CST ON MAR 1	0.8 ON MAR 1	0R ON MAR 1	0	1984
1985	0.320 AT 00:30 CST ON MAR 27	0.255 ON MAR 27 *	0R ON MAR 1	182	1985
1986	0.8 AT 00:01 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		39.8 R	MEAN

MAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO 06BD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	49.4	24.8	34.6	15.7	12.2	---	---	---	1967
1968	---	---	---	---	---	18.5	15.6	9.60	10.8	16.4	13.0	11.0	---	1968
1969	9.42	7.06	7.04	17.1	20.1	14.8	9.57	9.60	13.9	22.3	15.0	7.06	12.8	1969
1970	7.59	7.81	7.03	12.2	19.7	18.7	---	---	---	---	---	---	---	1970
1972	6.06	6.06	6.06	8.08	36.0	17.7	21.2	14.8	12.4	29.6	15.1	7.89	15.3	1972
1973	7.26	7.02	7.00	11.9	33.4	24.1	77.7	36.2	22.5	32.0	17.0	13.3	23.7	1973
1974	10.3	9.46	9.32	23.7	32.7	26.2	29.1	27.2	25.1	23.8	20.6	15.4	22.3	1974
1975	11.2	10.1	8.90	12.2	32.8	23.1	37.9	24.5	27.3	23.2	15.2	10.2	20.0	1975
1976	8.30	8.87	7.82	8.55	16.0	19.0	74.6	50.2	33.1	25.4	23.5	13.3	24.9	1976
1977	12.1	12.2	10.3	21.0	39.8	43.2	36.3	24.4	22.8	29.1	17.8	8.47	23.4	1977
1978	9.80	8.05	7.37	10.2	60.1	49.3	26.9	32.6	84.5	43.9	24.0	12.8	37.8	1978
1979	9.89	8.44	7.51	8.88	46.4	38.0	24.8	25.4	26.1	31.1	26.5	16.4	22.2	1979
1980	11.2	8.82	7.81	19.6	16.0	10.6	13.2	17.2	15.9	34.7	13.5	7.16	14.0	1980
1981	8.38	6.26	6.26	7.85	32.2	16.1	12.8	8.21	6.46	7.24	6.75	8.50	10.6	1981
1982	8.67	3.56	3.33	6.05	65.0	31.7	21.0	29.6	19.9	14.2	10.5	10.0	15.7	1982
1983	9.13	8.48	7.78	12.7	34.1	43.0	20.3	14.1	13.2	14.6	12.3	7.14	15.6	1983
1984	5.96	5.26	5.85	16.2	24.0	21.4	13.9	10.9	9.35	12.6	12.5	10.7	12.9	1984
1985	8.77	8.15	5.30	11.2	62.1	31.4	31.6	17.9	13.9	13.6	8.85	8.27	18.2	1985
1986	5.85	5.85	7.36	17.0	40.3	26.8	46.9	36.1	17.7	14.3	11.2	10.2	20.0	1986
MEAN	8.58	7.72	7.17	13.1	34.3	27.7	32.7	23.8	19.6	21.7	15.5	10.2	18.7	MEAN

LOCATION - LAT 55 14 40 N
LONG 105 33 40 W
DRAINAGE AREA, 3 680 km^2
NATURAL FLOW

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO 08BB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	37.39 AT 08 00 CST ON APR 30	36.4 ON APR 23	0.408 ON DEC 23	402 000	1969
1970	---	---	---	---	1970
1972	---	---	---	---	1972
1973	98.3 AT 21 45 CST ON JUL 19	46.4E ON MAY 11	5.570 ON APR 11	485 000	1973
1974	56.6 AT 04 35 CST ON JUL 18	97.4 ON JUL 20	6.808 ON FEB 22	748 000	1974
1975	---	55.9 ON JUL 18	9.060 ON MAR 9	702 000	1975
1976	111 AT 10 32 CST ON JUL 17 *	42.5E ON JUL 17	6.410 ON APR 6	630 000	1976
1977	---	110 ON JUL 17 *	7.550 ON APR 4	768 000	1977
1978	81.8 AT 04 57 CST ON MAY 22	53.8 ON APR 25	7.030 ON APR 13	739 000	1978
1979	75.8 AT 07 43 CST ON MAY 26	81.6 ON MAY 21	6.820 ON MAR 18	869 000	1979
1980	---	75.7 ON MAY 26	6.650 ON APR 6	700 000	1980
1981	38.5 AT 02 35 CST ON MAY 12	34.2E ON APR 25	6.300 ON DEC 6	443 000	1980
1982	53.0E AT 21 45 CST ON MAY 2	38.2 ON MAY 10	8.140 ON APR 15	335 000	1981
1983	59.5 AT 13 49 CST ON JUN 13	49.6 ON MAY 10	2.440 ON APR 5 *	527 000	1982
1984	33.3 AT 23 30 CST ON MAY 22	56.3 ON JUN 13	5.950 ON DEC 19	491 000	1983
1985	84.8 AT 22 19 CST ON MAY 11	33.0 ON MAY 22	4.530 ON MAR 19	395 000	1984
1986	---	80.9 ON MAY 11	4.330 ON APR 6	572 000	1985
		95.5E ON JUL 30	6.210 ON FEB 18	630 000	1986
				591 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAY CREEK AT PAQUIER'S RANCH - STATION NO 05HA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	0.202	0.041	0.037	0	0	0	---	---	---	1909
1910	---	---	---	0	0	0	0	0	0	0	---	---	---	1910
1911	---	---	---	0.032	0.008	0.004	0.005	0.001	0.004	0.004	0.002	---	---	1911
1912	---	---	---	0.341	0.155	0.081	0.003	0.003	0	0.007	---	---	---	1912
1913	---	---	---	0.246	0.020	0	0	---	---	---	---	---	---	1913
1914	---	---	---	0.004	0	0	0	0	0	0.051	---	---	---	1914
MEAN	---	---	---	0.183	0.069	0.031	0.008	0.001	0.001	0.012	0.002	---	---	MEAN

LOCATION - LAT 49 51 10 N
LONG 109 32 24 W
DRAINAGE AREA, 94.6 km^2
REGULATED

MAY CREEK AT PAQUIER'S RANCH - STATION NO 05HA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0.04 JUN 5 *	---	1909
1910	---	0.005 ON APR 1	0.04 APR 6	---	1910
1911	---	0.156 ON MAR 24	0.04 APR 2	---	1911
1912	---	1.08 ON MAY 26 *	0.04 JUN 11	---	1912
1913	---	0.622 ON APR 1	0.04 MAY 21	---	1913
1914	---	0.947 ON OCT 5	0.04 MAY 3	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MAY CREEK AT MAY CREEK SCHOOL - STATION NO 05HA021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.171	0.031	0.011	---	---	0.017	0.019	---	---	---	1911
1912	---	---	---	---	0.185	0.062	---	0.006	0.004	0.006	---	---	---	1912
1913	---	---	---	0.217	0.009	0.003	0.001	0	0	0	---	---	---	1913
1914	---	---	---	0.089	0.067	0.002	0	0	0	0.083	---	---	---	1914
1915	---	---	---	0.083	0.031	0.014	0.033	0.004	0.005	0.005	---	---	---	1915
1916	---	---	0.282	0.091	0.168	0.243	0.057	0.018	0.002	0.011	---	---	0.103	1916
1917	---	---	---	0.788	0.478	0.078	0.008	0	0.003	0.002	---	---	---	1917
1918	---	---	---	0.218	0.030	0.006	0.001	0	0	0	---	---	---	1918
1919	---	---	0.004	0.095	0.009	0.001	0	0	0	0	---	---	0.013	1919
1920	---	---	0.183	0.415	0.222	0.010	0.014	0.001	0	0	---	---	0.106	1920
1921	---	---	0.148	0.307	0.153	0.005	0.003	0	0	0.001	---	---	0.077	1921
MEAN	---	---	0.185	0.249	0.124	0.038	0.013	0.003	0.003	0.009	---	---	0.079	MEAN

LOCATION - LAT 49 50 38 N
LONG 109 32 00 W
DRAINAGE AREA, 52.1 km^2
REGULATED

MAY CREEK AT MAY CREEK SCHOOL - STATION NO 05HA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON MAY 25 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0 ON JUN 30	---	1913
1914	---	---	0 ON JUN 5	---	1914
1915	---	0.580 ON APR 3	---	---	1915
1916	---	0.883 ON JUN 11	0.001 ON AUG 15	2 170	1916
1917	---	2.10 ON APR 13	0 B ON APR 1	---	1917
1918	---	3.60 B ON MAR 19 *	0 ON JUL 5	---	1918
1919	---	0.249 ON APR 1	0 B ON MAR 1	285	1919
1920	---	1.56 ON APR 23	0 B ON MAR 1	2 240	1920
1921	---	1.38 ON APR 13	0 B ON MAR 3	1 630	1921
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 630	MEAN

MAY MEADOW CREEK NEAR LISIEUX - STATION NO 11AE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0.550	0.065	0.050	0.018	0.013	0.710	0.040	0.061	---	---	0.103	1960
1980	---	---	0.485	2.01	0.110	0.014	0.051	0.030	0.006	0.026	---	---	0.336	1980
1970	---	---	0.202	3.950	0.405	0.065	0.017	0.015	0.018	0.018	---	---	0.221	1970
1971	---	---	0.622	0.650	0.070	0.042	0.020	0.004	0.004	0.026	---	---	0.130	1971
1972	---	---	0.656	0.084	0.227	0.077	0.030	0.036	0.027	0.023	---	---	0.146	1972
1973	---	---	0.180	0.167	0.115	0.106	0.013	0.013	0.010	0.015	---	---	0.075	1973
1974	---	---	0.692	1.32	0.288	0.056	0.022	0.001	0.016	0.002	---	---	0.316	1974
1975	---	---	0.263	3.12	0.238	0.092	0.042	0.004	0.050	0.071	---	---	0.687	1975
1976	---	---	2.41	0.293	0.035	0.125	0.101	0.010	0.017	0.028	---	---	0.360	1976
1977	---	---	0.077	0.113	0.155	0.056	0.076	0.026	0.003	0.056	---	---	0.070	1977
1978	---	---	1.37	0.336	0.233	0.081	0.042	0.026	0.050	0.040	---	---	0.270	1978
1979	---	---	0.370	1.16	0.329	0.049	0.030	0.010	0.026	0.043	---	---	0.260	1979
1980	---	---	0.321	0.266	0.051	0.021	0.020	0.041	0.000	0.045	---	---	0.000	1980
1981	---	---	0.101	0.060	0.048	0.124	0.013	0.026	0.017	0.032	---	---	0.053	1981
1982	---	---	0.797	1.50	0.486	0.136	0.051	0.020	0.022	0.046	---	---	0.370	1982
1983	---	0.285	0.254	0.166	0.207	0.030	0.203	0.022	0.020	0.045	---	---	0.117	1983
1984	---	0.092	0.234	0.085	0.036	0.081	0.010	0.016	0.025	0.022	---	---	0.065	1984
1985	---	---	0.382	0.140	0.051	0.026	0.018	0.020	0.026	0.070	---	---	0.080	1985
1986	---	---	0.604	0.872	0.283	0.031	0.031	0.014	0.036	0.057	---	---	0.120	1986
MEAN	---	0.194	0.562	0.850	0.180	0.064	0.040	0.027	0.028	0.044	---	---	0.187	MEAN

LOCATION - LAT 60 16 12 N DRAINAGE AREA, 180 km^2
LONG 100 56 22 W NATURAL FLOW

MAY MEADOW CREEK NEAR LISIEUX - STATION NO 11AE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	2.35 B ON MAR 2	0.003 ON AUG 16	2 170	1960
1980	---	10.4 B ON APR 6	0.002 ON SEP 18	7 160	1980
1970	---	5.64 B ON APR 7	0 B ON MAR 1 *	4 690	1970
1971	---	4.93 B ON MAR 30	0 B ON MAR 1	2 780	1971
1972	5.85 AT 06 27 CST ON MAR 30	4.66 B ON MAR 19	0.008 ON SEP 2	3 140	1972
1973	---	0.510 ON JUN 4	0.005 ON JUL 5	1 550	1973
1974	10.3 B AT 01 00 CST ON APR 10	6.20 B ON MAR 30	0.003 ON AUG 4	4 690	1974
1975	21.5 B AT 08 15 CST ON APR 22 *	20.2 B ON APR 22 *	0.025 ON AUG 5	10 300	1975
1976	---	17.6 B ON MAR 18	0.008 ON AUG 7	4 050	1976
1977	1.58 AT 15 55 CST ON MAY 20	0.855 ON MAY 25	0.010 ON JUL 6	1 610	1977
1978	10.4 AT 01 10 CST ON MAR 27	6.60 ON MAR 27	0 B ON MAR 1	5 940	1978
1979	10.8 AT 07 41 CST ON APR 10	9.50 ON APR 10	0.014 ON AUG 20	5 270	1979
1980	---	1.75 B ON MAR 30	0.009 ON JUL 31	2 100	1980
1981	---	0.261 ON JUN 23	0.001 ON JUL 8	1 120	1981
1982	10.7 B AT 22 20 CST ON APR 13	8.95 B ON APR 12	0.012 ON SEP 23	8 020	1982
1983	4.11 AT 21 20 CST ON JUL 10	2.16 ON JUL 11	0.016 ON AUG 16	2 670	1983
1984	1.070 AT 04 10 CST ON MAR 21	1.55 B ON MAR 21	0.010 ON JUL 18	1 370	1984
1985	3.170 AT 12 10 CST ON MAR 15	2.20 B ON MAR 16	0.007 ON JUN 20	2 000	1985
1986	---	2.46 B ON MAR 1	0.008 ON AUG 24	2 710	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 170	MEAN

HORSE CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.009	0.012	0.002	0	0	0	---	---	---	1914
1915	---	---	---	0.584	0.119	0.031	0.005	0	0.003	0.002	---	---	---	1915
1916	---	---	0.457	4.23	0.194	0.067	0.086	0.010	0.002	0.002	---	---	0.619	1916
1917	---	---	0	2.18	0.105	0.001	0	0	0.001	0.001	---	---	0.278	1917
1918	---	---	---	0.503	0.054	0.003	0	0.010	0	0	---	---	---	1918
1919	---	---	0	1.75	0.032	0.001	0	0	0	0	---	---	0.218	1919
1920	---	---	0.187	0.448	0.035	0	0	0	0	0	---	---	0.080	1920
1921	---	---	---	0.279	0.188	0.139	0.397	0.003	0.001	0	---	---	---	1921
1922	---	---	0	1.87	0.138	0.025	0.003	0.001	0	0	---	---	0.250	1922
1923	---	---	0	0.802	0.022	0.859	0.132	0.003	0	0.003	---	---	0.224	1923
1924	---	---	0.060	0.488	0.048	0.007	0	0	0	0.155	---	---	0.091	1924
1925	---	---	1.70	1.53	0.030	0.044	0.005	0	0.002	0.008	---	---	0.414	1925
1926	---	---	1.26	0.026	0.153	0.218	0.004	0	0	0	---	---	0.208	1926
1927	---	---	0.042	4.16	0.431	0.100	0.013	0.005	0.021	0.010	---	---	0.587	1927
1928	---	---	1.97	0.159	0.028	0.282	0.086	0.007	0.003	0.002	---	---	0.314	1928
1929	---	---	0.110	0.053	0.009	0.002	0	0	0	0	---	---	0.022	1929
1930	---	---	0.819	0.987	0.030	0.002	0.001	0.001	0	0.001	---	---	0.227	1930
1931	---	---	0.052	0.010	0.004	0.001	0	0	0	0	---	---	0.008	1931
1932	---	---	0.238	0.091	0	0.002	0	0	0	0	---	---	0.041	1932
1933	---	---	0.288	0.005	0	0	0	0.191	0	0	---	---	0.051	1933
1934	---	---	1.05	0.241	0	0	0	0	0	0	---	---	0.184	1934
1935	---	---	0	0.487	0.027	0.004	0.014	0	0	0	---	---	0.083	1935
1936	---	---	0	0.908	0.092	0.002	0	0	0	0	---	---	0.123	1936
1937	0	0	0	0.175	0	0	0	0	0	0	---	---	0.021	1937
1938	---	---	1.13	0.382	0.010	0.194	0.088	0	0	0	---	---	0.226	1938
1939	---	---	2.81	0.084	0.584	1.08	0.009	0.001	0	0	---	---	0.584	1939
1940	---	---	0	0.877	0.020	0.121	0	0	0.003	0	---	---	0.101	1940
1941	---	---	1.12	0.019	0	0.009	0.008	0	0	0	---	---	0.146	1941
1942	---	---	0.588	0.271	0.005	0.110	0.019	0.006	0.001	0	---	---	0.125	1942
1943	---	---	3.14	0.808	0.004	0.155	0.005	0	0	0	---	---	0.491	1943
1944	---	---	0.218	0.461	0.015	0.005	0	0.001	0	0	---	---	0.087	1944
1945	---	---	0.907	0.002	0	0	0	0	0	0	---	---	0.115	1945
1946	---	---	0.809	0.014	0	0	0	0	0	0	---	---	0.079	1946
1947	---	---	0.332	1.84	0.012	0.056	0.026	0.020	0	0	---	---	0.257	1947
1948	---	---	0.088	0.988	0.019	0.002	0	0	0	0	---	---	0.135	1948
1949	---	---	0.094	0.248	0	0	0	0	0	0	---	---	0.042	1949
1950	---	---	0	2.35	0.071	0.079	0.002	0	0	0	---	---	0.307	1950
1951	---	---	0	1.69	0.186	0.003	0	0.001	0.010	0	---	---	0.232	1951
1952	---	---	0	5.27	0.035	0.003	0.175	0.001	0	0	---	---	0.671	1952
1953	---	---	0.016	0.285	0.337	0.613	0.030	0	0	0	---	---	0.156	1953
1954	---	---	0.120	1.77	0.036	0.222	0.012	0.142	0.012	0.004	0.003	---	0.284	1954
1955	---	---	0.002	2.10	0.418	0.010	0	0	0	0	---	---	0.311	1955
1956	---	---	0.008	0.278	0.024	0.006	0.003	0	0	0	---	---	0.084	1956
1957	---	---	0.133	0.017	0	0	0	0	0	0	---	---	0.019	1957
1958	---	---	0.703	0.219	0	0	0	0	0	0	---	---	0.116	1958
1959	---	---	0.522	0.085	0	0.083	0.008	0	0	0	---	---	0.087	1959
1960	---	---	2.18	0.065	0	0	0.006	0.024	0	0	---	---	0.288	1960
1961	---	---	0.022	0	0	0.001	0	0	0	0	---	---	0.003	1961
MEAN	0	0	0.539	0.880	0.073	0.094	0.023	0.009	0.001	0.004	0.003	---	0.203	MEAN

LOCATION - LAT 49 59 20 W DRAINAGE AREA, 195 km² INTERNATIONAL GAUGING STATION
LONG 109 50 10 W NATURAL FLOW

HORSE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON JUL 15 *	---	1914
1915	---	2.81 ON APR 4	0 ON MAY 1	---	1915
1916	---	10.3 E ON APR 10	0.8 ON MAR 1	13 100	1916
1917	---	15.9 ON APR 15	0.2 ON MAR 1	5 880	1917
1918	---	---	0 ON MAY 8	---	1918
1919	12.1 B ON APR 3	8.27 B ON APR 3	0.2 ON MAR 1	4 820	1919
1920	---	1.87 B ON APR 13	0.2 ON MAR 1	1 700	1920
1921	---	8.84 ON JUL 13	0 ON JUN 1	---	1921
1922	---	12.7 B ON APR 5	0.3 ON MAR 1	5 300	1922
1923	---	16.4 ON JUN 1	0.2 ON MAR 1	4 740	1923
1924	---	2.46 B ON APR 3	0 ON MAR 7	1 930	1924
1925	29.4 B ON MAR 30	23.2 B ON MAR 30	0.3 ON MAR 1	8 760	1925
1926	---	7.76 ON MAR 17	0 ON JUL 18	4 420	1926
1927	---	19.6 ON APR 9	0.3 ON MAR 1	12 500	1927
1928	26.6 B AT 09:00 MST ON MAR 22	16.9 B ON MAR 22	0.2 ON MAR 1	6 650	1928
1929	0.898 AT 11:15 MST ON MAR 29	0.804 ON MAR 29	0.2 ON MAR 1	459	1929
1930	---	6.91 B ON APR 4	0.2 ON MAR 1	4 800	1930
1931	---	0.1958 ON MAR 21	0 ON JUN 8	178	1931
1932	1.59 AT 16:00 MST ON MAR 24	1.01 ON MAR 24	0.2 ON MAR 4	878	1932
1933	8.81 AT 01:00 MST ON AUG 22	3.79 ON AUG 22	0.2 ON MAR 1	1 300	1933
1934	---	2.29 ON APR 2	0 ON MAY 1	3 480	1934
1935	8.40 B ON APR 14	2.69 B ON APR 14	0 ON MAR 1	1 330	1935
1936	---	8.18 B ON APR 12	0 ON MAR 1	2 600	1936
1937	1.23 AT 15:15 MST ON APR 10	1.18 ON APR 10	0 ON MAR 1	454	1937
1938	8.16 AT 22:00 MST ON MAR 17	5.61 ON MAR 18	0 ON MAR 1	4 830	1938
1939	38.5 AT 02:00 MST ON MAR 24	28.3 ON MAR 24	0 ON MAR 1	12 400	1939
1940	7.16 AT 08:00 MST ON APR 19	5.52 ON APR 19	0 ON MAR 1	2 130	1940
1941	8.35 B AT 11:00 MST ON MAR 22	5.95 B ON MAR 22	0.2 ON MAR 1	3 090	1941
1942	3.65 AT 09:30 MST ON MAR 14	2.80 ON MAR 14	0 ON MAR 1	2 650	1942
1943	45.0 ON MAR 29	30.6 ON MAR 29	0 ON MAR 1	10 400	1943
1944	13.6 AT 13:30 MST ON APR 1	4.46 ON APR 1	0 ON MAR 1	1 830	1944
1945	8.86 AT 11:00 MST ON MAR 13	7.11 ON MAR 13	0 ON MAR 1	2 440	1945
1946	3.37 AT 06:30 MST ON MAR 20	2.49 ON MAR 20	0 ON MAR 1	1 670	1946
1947	8.52 AT 06:00 MST ON APR 3	7.31 ON APR 3	0 ON MAR 1	5 430	1947
1948	6.37 AT 06:00 MST ON APR 16	4.39 ON APR 16	0 ON MAR 1	2 850	1948
1949	2.21 B AT 23:00 MST ON MAR 30	1.70 B ON MAR 31	0.2 ON MAR 1	895	1949
1950	27.6 AT 23:00 MST ON APR 16	16.9 ON APR 16	0.2 ON MAR 1	6 600	1950
1951	7.69 AT 04:00 MST ON APR 26	6.23 ON APR 26	0.2 ON MAR 1	4 910	1951
1952	51.0 AT 04:00 MST ON APR 16 *	36.0 ON APR 14 *	0 ON MAR 1	14 200	1952
1953	26.6 AT 23:50 MST ON JUN 2	7.36 ON JUN 3	0.2 ON MAR 1	3 200	1953
1954	43.3 B AT 23:00 MST ON APR 5	22.4 B ON APR 6	0.2 ON MAR 1	8 010	1954
1955	15.5 B AT 20:00 MST ON APR 1	13.0 B ON APR 2	0.2 ON MAR 1	5 580	1955
1956	---	2.55 E ON MAR 27	0.2 ON MAR 1	1 360	1956
1957	---	1.13 E ON MAR 24	0 ON MAR 1	403	1957
1958	14.6 AT 05:00 MST ON MAR 31	8.87 ON MAR 31	0 ON MAR 12	2 450	1958
1959	3.98 AT 16:00 MST ON MAR 29	3.71 ON MAR 29	0 ON MAR 1	1 850	1959
1960	18.6 AT 00:30 MST ON MAR 27	11.7 ON MAR 27	0 ON MAR 1	5 100	1960
1961	0.285 AT 04:00 MST ON MAR 22	0.176 ON MAR 22	0 ON MAR 1	63.5	1961
				4 310	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSEHEAD CREEK NEAR MAKWA - STATION NO. 05AD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	3.85	4.24	1.26	0.808	0.777	---	---	---	---	1933
1934	---	---	---	---	1.52	1.07	0.858	0.108	0.077	0.089	---	---	0.534	1934
1935	---	---	---	---	1.78	0.367	0.147	0.091	0.047	0.102	---	---	0.439	1935
1936	---	---	---	---	0.573	0.275	0.095	0.083	0.113	0.139	---	---	0.213	1936
1937	---	---	---	---	1.03	0.371	0.170	0.085	0.017	0.081	---	---	0.276	1937
1938	---	---	---	---	0.335	0.111	0.042	0.027	0.013	0.027	---	---	0.093	1938
1939	---	---	---	---	0.718	0.338	0.265	0.015	0	0.018	---	---	0.225	1939
1940	---	---	---	---	0.215	0.138	0.077	0.010	0	0	---	---	0.073	1940
MEAN	---	---	---	---	1.23	0.854	0.384	0.138	0.131	0.067	---	---	0.276	MEAN

LOCATION - LAT 54 02 10 N
LONG 108 48 30 W
DRAINAGE AREA 627 km^2
NATURAL FLOW

HORSEHEAD CREEK NEAR MAKWA - STATION NO. 05AD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	8.41 ON MAY 31 *	0.411 ON AUG 31	---	1933
1934	---	4.08 ON JUN 26	0.040 ON SEP 3	5 910	1934
1935	---	4.08 ON MAY 5	0.0288 ON OCT 31	5 610	1935
1936	---	1.21 ON MAY 1	0.031 ON AUG 11	3 390	1936
1937	---	1.85 ON MAY 1	0.005 ON SEP 18	4 380	1937
1938	---	0.813 ON MAY 7	0.005 ON AUG 4	1 480	1938
1939	---	1.10 ON MAY 12	0 ON AUG 27 *	3 670	1939
1940	---	0.385 ON MAY 1	0 ON AUG 17	1 170	1940
				4 380	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HUFF LAKE GRAVITY CANAL - STATION NO 11AC055

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	...	...	0	0	0	0 053	0 088	0	0	0	...	...	0 015	1946
1947	...	...	0	0	0 014	0 134	0 018	0 055	0	0	...	...	0 029	1947
1948	...	...	0	0	0 015	0 176	0 082	0 043	0	0	...	...	0 037	1948
1949	...	...	0	0 001	0 229	0 194	0	0	0	0	...	...	0 053	1949
1950	...	...	0	0	0 001	0 182	0 182	0 106	0	0	...	...	0 058	1950
1951	...	...	0	0	0 014	0 149	0 150	0 092	0	0	...	...	0 051	1951
1952	...	...	0	0	0	0 298	0 188	0 001	0	0	...	...	0 080	1952
1953	...	...	0	0	0	0	0 116	0 095	0 089	0 011	...	...	0 037	1953
1954	...	...	0	0	0	0 089	0 173	0 131	0	0	...	...	0 048	1954
1955	...	...	0	0	0 000	0 229	0	0 234	0 084	0	...	...	0 067	1955
1956	...	...	0	0	0 187	0 371	0 238	0 370	0 202	0 002	...	...	0 171	1956
1957	...	...	0	0	0 303	0 114	0 187	0 277	0 054	0	...	...	0 115	1957
1958	...	...	0	0	0 375	0 118	0 153	0 270	0 007	0	...	...	0 117	1958
1959	...	...	0	0	0 440	0 182	0 008	0	0	0	...	...	0 079	1959
1960	...	...	0	0	0	0 471	0 183	0 188	0	0	...	...	0 097	1960
1961	...	...	0	0	0 307	0 279	0 441	0 002	0	0	...	...	0 129	1961
1962	...	...	0	0	0 271	0 091	0 027	0	0 420	0 048	...	...	0 108	1962
1963	...	...	0	0	0 190	0 234	0 171	0 381	0	0	...	...	0 120	1963
1964	...	...	0	0	0 204	0 349	0 044	0 125	0 002	0	...	...	0 091	1964
1965	...	...	0	0	0	0 540	0	0 427	0 189	0	...	...	0 143	1965
1966	...	...	0	0	0 143	0 236	0 124	0 487	0	0	...	...	0 122	1966
1967	...	...	0	0	0	0 316	0 382	0 220	0	0	...	...	0 112	1967
1968	...	...	0	0	0 521	0 034	0 455	0 090	0	0	...	...	0 139	1968
1969	...	...	0	0	0 065	0 430	0	0 584	0	0	...	...	0 131	1969
1970	...	...	0	0	0 095	0 350	0 215	0 282	0	0	...	...	0 114	1970
1971	...	...	0	0	0 303	0 119	0 435	0 087	0	0	...	...	0 116	1971
1972	...	...	0	0	0 310	0 052	0 535	0	0	0	...	...	0 113	1972
1973	...	...	0	0	0 425	0 050	0 580	0 027	0	0	...	...	0 137	1973
1974	...	...	0	0	0	0 439	0 393	0 057	0	0	...	...	0 111	1974
1975	...	...	0	0	0 019	0 380	0 415	0 195	0	0	...	...	0 128	1975
1976	...	...	0	0	0 392	0 105	0 286	0 143	0 001	0	...	...	0 117	1976
1977	...	...	0	0	0 436	0 121	0 501	0 014	0	0	...	...	0 135	1977
1978	...	...	0	0	0 384	0 101	0 197	0 276	0	0	...	...	0 115	1978
1979	...	...	0	0	0 287	0 197	0 494	0 305	0	0	...	...	0 144	1979
1980	...	...	0	0	0 746	0	0 483	0 078	0	0	...	...	0 185	1980
1981	...	...	0	0 005	0 713	0	0	0	0	0	...	...	0 081	1981
1982	...	...	0	0	0 335	0 158	0 152	0 355	0	0	...	...	0 126	1982
1983	...	...	0	0	0 299	0 194	0 572	0 194	0	0	...	...	0 153	1983
1984	...	...	0	0 227	0 518	0	0	0	0	0	...	...	0 093	1984
1985	...	...	0	0	0 682	0 267	0 030	0	0	0 005	...	...	0 125	1985
1986	...	...	0	0	0 030	0 548	0 218	0 095	0	0 003	...	...	0 123	1986
MEAN	...	...	0	0 004	0 225	0 206	0 213	0 148	0 025	0 002	...	...	0 102	MEAN

LOCATION - LAT 49 32 10 N
LONG 107 53 06 W

REGULATED

INTERNATIONAL GAUGING STATION

HUFF LAKE GRAVITY CANAL - STATION NO 11AC065

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	0.185 ON JUL 21	0.00 ON MAR 1 *	320	1946
1947	---	0.227E ON JUN 3	0.00 ON MAR 1	610	1947
1948	---	0.212 ON JUN 15	0.00 ON MAR 1	779	1948
1949	---	0.366 ON MAY 13	0.00 ON MAR 1	1 120	1949
1950	---	0.300 ON JUN 22	0.00 ON MAR 1	1 220	1950
1951	---	0.323 ON JUN 11	0.00 ON MAR 1	1 070	1951
1952	---	0.316 ON JUN 21	0.00 ON MAR 1	1 270	1952
1953	---	0.490 ON JUL 23	0.00 ON MAR 1	783	1953
1954	---	0.305 ON JUL 1	0.00 ON MAR 1	1 050	1954
1955	---	0.663 ON AUG 16	0.00 ON MAR 1	1 410	1955
1956	---	0.736 ON JUN 1	0.00 ON MAR 1	2 620	1956
1957	---	0.589 ON JUL 26	0.00 ON MAR 1	2 440	1957
1958	---	1.67 ON MAY 22	0.00 ON MAR 1	2 470	1958
1959	---	1.11 ON MAY 13	0.00 ON MAR 1	1 670	1959
1960	---	0.821 ON JUN 29	0.00 ON MAR 1	2 040	1960
1961	---	0.903 ON JUL 20	0.00 ON MAR 1	2 730	1961
1962	---	0.756 ON SEP 21	0.00 ON MAR 1	2 250	1962
1963	---	1.21 ON MAY 28	0.00 ON MAR 1	2 540	1963
1964	---	1.39 ON MAY 29	0.00 ON MAR 1	1 930	1964
1965	---	1.16 ON JUN 5	0.00 ON MAR 1	3 020	1965
1966	---	1.06 ON AUG 1	0.00 ON MAR 1	2 580	1966
1967	---	0.937 ON JUL 27	0.00 ON MAR 1	2 380	1967
1968	---	1.16 ON JUL 16	0.00 ON MAR 1	2 950	1968
1969	---	1.38 ON AUG 9	0.00 ON MAR 1	2 780	1969
1970	---	1.37 ON JUL 28	0.00 ON MAR 1	2 420	1970
1971	---	1.48 ON MAY 27	0.00 ON MAR 1	2 480	1971
1972	---	1.55 ON JUL 14 *	0.00 ON MAR 1	2 400	1972
1973	---	1.33 ON JUL 19	0.00 ON MAR 1	2 890	1973
1974	---	0.943 ON JUN 16	0.00 ON MAR 1	2 340	1974
1975	---	1.17 ON JUL 29	0.00 ON MAR 1	2 670	1975
1976	---	1.23 ON JUL 29	0.00 ON MAR 1	2 470	1976
1977	---	1.20 ON JUL 15	0.00 ON MAR 1	2 880	1977
1978	---	0.980 ON MAY 18	0.00 ON MAR 1	2 430	1978
1979	---	1.35 ON JUL 23	0.00 ON MAR 1	3 040	1979
1980	---	1.45 ON MAY 10	0.00 ON MAR 1	3 500	1980
1981	---	0.991 ON MAY 17	0.00 ON MAR 1	1 920	1981
1982	---	1.14 ON MAY 22	0.00 ON MAR 1	2 670	1982
1983	---	1.29 ON JUL 15	0.00 ON MAR 1	3 250	1983
1984	---	1.24 ON MAY 2	0.00 ON MAR 1	1 980	1984
1985	---	1.47 ON MAY 23	0.00 ON MAR 1	2 630	1985
1986	---	1.02 ON JUN 7	0.00 ON MAR 1	2 610	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 180	MEAN

E - ESTIMATED

HUFF LAKE PUMPING CANAL - STATION NO 11AC066

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	0	0	0	0	0.224	0.067	0	0	---	---	0.037	1950
1951	---	---	0	0	0	0.085	0.262	0.118	0	0	---	---	0.054	1951
1952	---	---	0	0	0	0.193	0.182	0.021	0	0.019	---	---	0.044	1952
1953	---	---	0	0.018	0.050	0	0.191	0.352	0.176	0	---	---	0.095	1953
1954	---	---	0	0	0	0.242	0.187	0.125	0	0	---	---	0.059	1954
1955	---	---	0	0	0.023	0.371	0.005	0.295	0.094	0	---	---	0.098	1955
1956	---	---	0	0	0.196	0.220	0.216	0.111	0	0	---	---	0.088	1956
1957	---	---	0	0	0.270	0.204	0.284	0.223	0	0	---	---	0.123	1957
1958	---	---	0	0	0.335	0.176	0.436	0.094	0.005	0	---	---	0.132	1958
1959	---	---	0	0	0.274	0.386	0.117	0	0	0	---	---	0.094	1959
1960	---	---	0	0	0.117	0.475	0.089	0.426	0.001	0.055	---	---	0.145	1960
1961	---	---	0	0	0.316	0.334	0.362	0.137	0	0	---	---	0.144	1961
1962	---	---	0	0	0.313	0.140	0	0.138	0.612	0.110	---	---	0.139	1962
1963	---	---	0	0	0.090	0.118	0.199	0.519	0.035	0	---	---	0.122	1963
1964	---	---	0	0	0.104	0.541	0.005	0.123	0.005	0	---	---	0.097	1964
1965	---	---	0	0	0	0.426	0	0.426	0.118	0	---	---	0.121	1965
1966	---	---	0	0	0.166	0.257	0.076	0.436	0	0	---	---	0.117	1966
1967	---	---	0	0	0	0.380	0.259	0.263	0	0	---	---	0.113	1967
1968	---	---	0	0	0.385	0.085	0.290	0.284	0	0.007	---	---	0.134	1968
1969	---	---	0	0	0.046	0.521	0	0.562	0.042	0.003	---	---	0.147	1969
1970	---	---	0	0	0.110	0.280	0.100	0.384	0	0.003	---	---	0.110	1970
1971	---	---	0	0	0.126	0.386	0.208	0.385	0	0.010	---	---	0.138	1971
1972	---	---	0	0	0.288	0.139	0.358	0.211	0.008	0	---	---	0.127	1972
1973	---	---	0	0	0.500	0	0.505	0.181	0.002	0	---	---	0.152	1973
1974	---	---	0	0	0	0.500	0.345	0.268	0	0.004	---	---	0.137	1974
1975	---	---	0	0	0.077	0.338	0.268	0.214	0	0.000	---	---	0.115	1975
1976	---	---	0	0	0.431	0.052	0.220	0.272	0	0.010	---	---	0.124	1976
1977	---	---	0	0	0.431	0.055	0.429	0	0	0.005	---	---	0.116	1977
1978	---	---	0	0	0.262	0.034	0.201	0.276	0	0	---	---	0.099	1978
1979	---	---	0	0	0.187	0.228	0.329	0.140	0	0	---	---	0.111	1979
1980	---	---	0	0	0.510	0.004	0.484	0.031	0	0	---	---	0.131	1980
1981	---	---	0	0	0.525	0	0	0	0	0	---	---	0.087	1981
1982	---	---	0	0	0.175	0.226	0.115	0.276	0	0	---	---	0.112	1982
1983	---	---	0	0	0.252	0.138	0.518	0.022	0	0	---	---	0.122	1983
1984	---	---	0	0.180	0.363	0	0	0	0	0.007	---	---	0.086	1984
1985	---	---	0	0	0.402	0.282	0	0	0	0.005	---	---	0.087	1985
1986	---	---	0	0	0.065	0.436	0.213	0.040	0.002	0	---	---	0.090	1986
MEAN	---	---	0	0.005	0.200	0.221	0.207	0.203	0.025	0.007	---	---	0.109	MEAN

LOCATION - LAT 49 22 20 N
LONG 107 53 05 W REGULATED

INTERNATIONAL GAUGING STATION

HUFF LAKE PUMPING CANAL - STATION NO 11AC085

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	0.348 ON JUL 25	0 ON MAR 1 *	780	1950
1951	---	0.524 ON JUL 28	0 ON MAR 1	1 140	1951
1952	---	0.462 ON JUN 28	0 ON MAR 1	838	1952
1953	---	0.600 ON JUL 30	0 ON MAR 1	2 090	1953
1954	---	0.552 ON JUN 20	0 ON MAR 1	1 480	1954
1955	---	0.555 ON JUN 3	0 ON MAR 1	2 070	1955
1956	---	0.617 ON JUL 21	0 ON MAR 1	1 870	1956
1957	---	0.814 ON JUL 23	0 ON MAR 1	2 810	1957
1958	---	0.868 ON JUL 8	0 ON MAR 1	2 790	1958
1959	---	0.592 ON JUN 30	0 ON MAR 1	1 990	1959
1960	---	0.837 ON MAY 31	0 ON MAR 1	3 070	1960
1961	---	0.834 ON MAY 17	0 ON MAR 1	3 050	1961
1962	---	0.831 ON MAY 17	0 ON MAR 1	2 940	1962
1963	---	0.885 ON JUL 23	0 ON MAR 1	2 580	1963
1964	---	0.759 ON MAY 28	0 ON MAR 1	2 050	1964
1965	---	0.702 ON JUN 3	0 ON MAR 1	2 550	1965
1966	---	0.722 ON MAY 25	0 ON MAR 1	2 480	1966
1967	---	0.834 ON JUN 4	0 ON MAR 1	2 380	1967
1968	---	0.688 ON MAY 14	0 ON MAR 1	2 850	1968
1969	---	0.722 ON MAY 30	0 ON MAR 1	3 100	1969
1970	---	0.817 ON MAY 27	0 ON MAR 1	2 320	1970
1971	---	0.580 ON JUL 21	0 ON MAR 1	2 930	1971
1972	---	0.572 ON JUL 29	0 ON MAR 1	2 700	1972
1973	---	0.852 ON JUL 12	0 ON MAR 1	3 210	1973
1974	---	0.821 ON JUN 18	0 ON MAR 1	2 900	1974
1975	---	0.878 ON MAY 30	0 ON MAR 1	2 450	1975
1976	---	0.844 ON MAY 28	0 ON MAR 1	2 830	1976
1977	---	0.881 ON MAY 5 *	0 ON MAR 1	2 450	1977
1978	---	0.838 ON JUL 26	0 ON MAR 1	2 100	1978
1979	---	0.804 ON JUL 30	0 ON MAR 1	2 340	1979
1980	---	0.812 ON MAY 7	0 ON MAR 1	2 770	1980
1981	---	0.807 ON MAY 19	0 ON MAR 1	1 420	1981
1982	---	0.735 ON AUG 4	0 ON MAR 1	2 380	1982
1983	---	0.784 ON MAY 25	0 ON MAR 1	2 590	1983
1984	---	0.798 ON APR 30	0 ON MAR 1	1 400	1984
1985	---	0.737 ON MAY 16	0 ON MAR 1	1 850	1985
1986	---	0.684 ON JUN 1	0 ON MAR 1	1 900	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 300	MEAN

HUNTER CREEK NEAR RICHARDSON - STATION NO 05JF014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.128	0.101	---	---	---	---	---	---	---	---	---	1978
1979	---	---	0	1.46	0.097	0.006	0	0	0	0	---	---	0.193	1979
1980	---	---	0.203	0.268	0	0	0	0	0	0	---	---	0.059	1980
1981	---	---	0	0	0	0	0.339	0	0	0	---	---	0.043	1981
1982	---	---	0	0.900	0.047	0.013	0	0	0	0	---	---	0.118	1982
1983	---	---	0	0.280	0.045	0.003	0.248	0.003	0	0	---	---	0.072	1983
1984	---	---	0.442	0.028	0.005	0	0	0	0	0	---	---	0.080	1984
1985	---	---	0.806	0.321	0.005	0	0	0	0	0	---	---	0.142	1985
1986	---	---	0.233	0.005	0.180	0	0	0	0	0	---	---	0.053	1986
MEAN	---	---	0.201	0.374	0.047	0.003	0.073	0	0	0	---	---	0.092	MEAN

LOCATION - LAT 50 23 16 N, LONG 104 27 39 W DRAINAGE AREA 135 km^2 NATURAL FLOW

HUNTER CREEK NEAR RICHARDSON - STATION NO 05JF014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	14.0 AT 22 32 CST ON APR 20 *	11.6 ON APR 21 *	0.08 ON MAR 1 *	4 080	1979
1980	9.618 AT 18 53 CST ON MAR 30	4.018 ON MAR 31	0.08 ON MAR 1	1 240	1980
1981	12.9 AT 05 45 CST ON JUL 14	5.66 ON JUL 14	0 ON MAR 1	906	1981
1982	10.1 AT 02 53 CST ON APR 17	9.25 ON APR 17	0.08 ON MAR 1	2 490	1982
1983	2.45 AT 16 00 CST ON JUL 21	1.75 ON APR 12	0.08 ON MAR 1	1 830	1983
1984	5.398 AT 09 10 CST ON MAR 25	4.628 ON MAR 25	0.08 ON MAR 1	1 270	1984
1985	4.538 AT 13 05 CST ON MAR 26	4.188 ON MAR 26	0.08 ON MAR 1	3 010	1985
1986	2.38 AT 03 31 CST ON MAY 6	1.50 ON MAY 6	0.08 ON MAR 1	1 120	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 950	MEAN

INDIANMEAD CREEK NEAR INDIAN MEAD - STATION NO 05JL002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0.346	0.120	0	0	0.018	0	0	0	---	---	0.061	1941
1942	---	---	0.287	0.450	0	0	0	0	0	0	---	---	0.093	1942
1943	---	---	0.416	1.40	0	0	0	0	0	0	---	---	0.224	1943
1944	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	0	1945
1946	---	---	0.393	0.003	0	0	0	0	0	0	---	---	0.050	1946
1947	---	---	0	2.55	0.034	0.758	0.014	0	0	0	---	---	0.411	1947
1948	---	---	0	1.35	0.087	0	0	0	0	0	---	---	0.177	1948
1949	---	---	0.074	0.475	0.019	0.002	0	0	0	0	---	---	0.070	1949
1950	---	---	0.009	0.907	0	0	0	0	0	0	---	---	0.112	1950
1951	---	---	0	0.779	0.011	0	0	0	0	0	---	---	0.097	1951
1952	---	---	0.264	0.406	0	0	0	0	0	0	---	---	0.083	1952
1953	---	---	0.854	0.574	0	0.340	0.015	0	0	0	---	---	0.222	1953
1954	---	---	0	0.713	0.008	0.575	1.24	0.006	0.089	0.037	---	---	0.333	1954
1955	---	---	0.199	1.94	1.42	0.021	0.824	0	0	0	---	---	0.524	1955
1956	---	---	0	4.86	0.810	0.063	0	0.005	0	0	---	---	0.707	1956
1957	---	---	0.531	0.383	0.184	0.005	0	0.050	0	0	---	---	0.138	1957
1958	---	---	0.309	0.050	0	0	0	0	0	0	---	---	0.045	1958
1959	---	---	0.021	0	0	0.006	0	0	0	0	---	---	0.004	1959
1960	---	---	0.005	1.21	0	0	0	0	0	0	---	---	0.149	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	1.12	0	0.357	0	0	0	0	---	---	0.180	1962
1963	---	---	0.050	0	0	0	0.070	0	0	0	---	---	0.015	1963
1964	---	---	0	0.301	0	0	0	0	0	0	---	---	0.037	1964
1965	---	---	0	0.312	0.046	0.058	0	0	0	0	---	---	0.051	1965
1966	---	---	1.12	0.173	0.001	0	0	0	0	0	---	---	0.153	1966
1967	---	---	0	2.07	0.013	0	0	0	0	0	---	---	0.255	1967
1968	---	---	0.505	0	0	0	0	0.001	0	0	---	---	0.077	1968
1969	---	---	0	3.41	0.011	0	0	0	0	0	---	---	0.418	1969
1970	---	---	0	1.35	0.440	0.016	0	0	0	0	---	---	0.222	1970
1971	---	---	0.001	2.09	0	0	0	0	0	0	---	---	0.255	1971
1972	---	---	0.290	0.130	0	0	0	0	0	0	---	---	0.053	1972
1973	---	---	0.005	0	0	0	0.454	0	0	0	---	---	0.058	1973
1974	---	---	0	3.29	0.587	0.016	0	0	0	0	---	---	0.479	1974
1975	---	---	0	4.52	0.298	0	0	0	0	0	---	---	0.591	1975
1976	---	---	0	4.93	0.001	0.450	0.006	0	0	0	---	---	0.659	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.632	0.149	0	0	0	0	0	0	---	---	0.123	1978
1979	---	---	0	3.20	0.062	0	0	0	0	0	---	---	0.400	1979
1980	---	---	0.377	0.915	0	0	0	0	0	0	---	---	0.180	1980
1981	---	---	0	0	0	0	0.014	0	0	0	---	---	0.002	1981
1982	---	---	0	2.97	0	0	0.149	0	0	0	---	---	0.382	1982
1983	---	---	0	1.83	0.058	0	0.836	0.003	0	0.001	---	---	0.350	1983
1984	---	---	0.033	0.026	0	0	0	0	0	0	---	---	0.007	1984
1985	---	---	1.22	0.279	0	0	0	0	0	0	---	---	0.188	1985
1986	---	---	0.335	0	0.275	0	0	0	0	0	---	---	0.077	1986
MEAN	---	---	0.186	1.12	0.094	0.058	0.075	0.001	0.002	0.001	---	---	0.189	MEAN

LOCATION - LAT 50 36 42 N DRAINAGE AREA, 327 km²
LONG 103 36 14 W NATURAL FLOW

REMARKS - PRIOR TO JUNE 25 1955, RECORDS WERE OBTAINED ABOUT 0.8 km UPSTREAM

INDIANHEAD CREEK NEAR INDIAN MEAD - STATION NO. 05JL002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	5.75 ON MAR 30	0 ON MAR 1 *	1 280	1941
1942	---	5.29 ON APR 1	0.8 ON MAR 1	1 950	1942
1943	---	11.3 ON APR 3	0 ON MAR 1	4 740	1943
1944	---	0.255 ON APR 7	0 ON MAR 1	30.6	1944
1945	---	0 ON MAR 1	0 ON MAR 1	0	1945
1946	---	2.32 B ON MAR 25	0.8 ON MAR 1	1 040	1946
1947	---	12.5 ON APR 13	0.8 ON MAR 1	8 890	1947
1948	---	10.1 B ON APR 20	0.8 ON MAR 1	3 730	1948
1949	---	4.67 ON APR 2	0.8 ON MAR 1	1 480	1949
1950	---	5.55 B ON APR 15	0.8 ON MAR 1	2 370	1950
1951	---	2.41 ON APR 13	0.8 ON MAR 1	2 050	1951
1952	---	5.47 ON MAR 31	0.8 ON MAR 1	1 760	1952
1953	---	10.4 B ON MAR 31	0.8 ON MAR 1	4 700	1953
1954	---	8.21 ON JUN 8	0.8 ON MAR 1	7 060	1954
1955	---	10.7 ON MAY 3	0.8 ON MAR 1	11 100	1955
1956	33.4 AT 23 00 CST ON APR 13	28.0 ON APR 14	0.8 ON MAR 1	14 900	1956
1957	7.78 B AT 21 00 CST ON MAR 21	4.70 B ON MAR 21	0.8 ON MAR 1	2 920	1957
1958	8.81 B AT 21 00 CST ON MAR 27	2.97 B ON MAR 28	0.8 ON MAR 1	958	1958
1959	0.589 AT 20 30 CST ON JUN 27	0.184 ON MAR 25	0 ON MAR 1	77.0	1959
1960	---	12.5 ON APR 4	0.8 ON MAR 1	3 140	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	19.5 AT 22 00 CST ON JUN 12	8.21 ON APR 8	0.8 ON MAR 1	3 830	1962
1963	2.59 AT 22 00 CST ON JUL 9	0.711 ON JUL 10	0.8 ON MAR 1	319	1963
1964	3.85 B AT 21 40 CST ON APR 2	2.27 B ON APR 3	0.8 ON MAR 1	779	1964
1965	4.33 AT 20 00 CST ON APR 11	3.31 B ON APR 11	0.8 ON MAR 1	1 080	1965
1966	13.5 AT 22 00 CST ON MAR 28	7.83 ON MAR 30	0.8 ON MAR 1	3 440	1966
1967	19.8 AT 00 05 CST ON APR 12	12.8 B ON APR 11	0.8 ON MAR 1	5 410	1967
1968	7.16 B AT 03 30 CST ON MAR 8	5.85 B ON MAR 8	0.8 ON MAR 1	1 820	1968
1969	25.3 AT 19 20 CST ON APR 10	22.3 ON APR 10	0 ON MAR 1	8 880	1969
1970	20.8 AT 21 30 CST ON APR 7	16.7 ON APR 7	0.8 ON MAR 1	4 710	1970
1971	24.9 B AT 20 30 CST ON APR 7	18.2 B ON APR 7	0.8 ON MAR 1	5 400	1971
1972	3.43 B AT 18 30 CST ON MAR 22	2.75 B ON MAR 22	0.8 ON MAR 1	1 110	1972
1973	12.0 AT 18 39 CST ON JUL 1	8.41 ON JUL 1	0.8 ON MAR 1	1 230	1973
1974	32.6 AT 21 04 CST ON APR 17	28.1 ON APR 18	0.8 ON MAR 1	10 100	1974
1975	27.5 AT 21 34 CST ON APR 28	21.0 ON APR 28	0.8 ON MAR 1	12 500	1975
1976	41.6 AT 17 54 CST ON APR 8	31.7 ON APR 8	0.8 ON MAR 1	14 000	1976
1977	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
1978	13.7 AT 22 35 CST ON MAR 28	8.47 ON MAR 28	0 ON MAR 1	2 820	1978
1979	40.1 AT 21 21 CST ON APR 20	25.9 B ON APR 20	0.8 ON MAR 1	8 480	1979
1980	13.3 B AT 19 33 CST ON MAR 30	8.82 ON APR 1	0.8 ON MAR 1	3 390	1980
1981	1.01 AT 17 13 CST ON JUL 14	0.320A ON JUL 14	0 ON MAR 1	37.7	1981
1982	44.2 AT 00 14 CST ON APR 14 *	34.7 A ON APR 14 *	0.8 ON MAR 1	8 090	1982
1983	18.4 AT 19 57 CST ON APR 19	15.3 ON APR 19	0.8 ON MAR 1	7 430	1983
1984	5.88 B AT 21 25 CST ON MAR 24	0.3439 ON MAR 24	0.8 ON MAR 1	155	1984
1985	8.20 B AT 22 35 CST ON MAR 20	6.84 B ON MAR 20	0.8 ON MAR 1	3 890	1985
1986	5.85 AT 10 51 CST ON MAY 6	4.08 ON MAY 6	0 ON APR 3	1 840	1986
				4 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

INVERNESS CREEK NEAR BRODERICK - STATION NO. 05HG021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.087	0.033	0	0	0	0	0	0	---	---	0.013	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.050	0.231	0	0	0	0.003	0	0	---	---	0.035	1982
1983	---	0	0.019	0.005	0	0	0.053	0.002	0	0	---	---	0.010	1983
1984	---	---	0.043	0.001	0	0	0	0	0	0	---	---	0.006	1984
1985	---	---	0.288	0.084	0.002	0	0	0	0	0	---	---	0.046	1985
1986	---	0.013	0.071	0	0	0	0	0	0	0	---	---	0.009	1986
MEAN	---	0.004	0.074	0.052	0	0	0.008	0.001	0	0	---	---	0.017	MEAN

LOCATION - LAT 51 30 16 N, LONG 108 49 18 W. DRAINAGE AREA 81.4 km^2. NATURAL FLOW

INVERNESS CREEK NEAR BRODERICK - STATION NO. 05HG021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	0.9558 AT 13 01 CST ON MAR 29	0.475 ON MAR 30	0.8 ON MAR 1 *	285	1980
1981	0.014 AT 14 10 CST ON JUN 14	0.002 ON JUN 14	0.8 ON MAR 5	0.80	1981
1982	2.28 AT 01 18 CST ON MAR 31	0.9378 ON MAR 31	0.8 ON MAR 1	740	1982
1983	3.71 AT 21 49 CST ON JUL 20 *	0.805 ON JUL 21	0.8 ON MAR 1	211	1983
1984	0.9998 AT 07 53 CST ON MAR 22	0.3108 ON MAR 22	0.8 ON MAR 1	118	1984
1985	2.97 B AT 15 01 CST ON MAR 21	1.15 B ON MAR 21 *	0.8 ON MAR 1	889	1985
1986	0.8048 AT 16 22 CST ON MAR 3	0.4558 ON MAR 3	0.8 ON MAR 23	190	1986
				355	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRONSPRING CREEK NEAR WATSON - STATION NO. 05MA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	0.176	0.308	0.061	0.020	0.002	0.085	---	---	---	1926
1963	---	---	0.066	0.227	0.086	0.060	0.026	0.002	0	0.001	---	---	0.058	1963
1964	---	---	0	1.01	0.124	0.002	0.011	0.004	0.015	0.016	---	---	0.145	1964
1965	---	---	0	2.32	0.089	0.482	0.270	0.013	0.028	0.014	---	---	0.386	1965
1966	---	---	0	2.86	0.210	0.274	0.042	0.564	0.021	0.019	---	---	0.492	1966
1967	---	---	0	1.21	3.69	0.106	0.007	0	0.002	0.004	---	---	0.629	1967
1968	---	---	0.589	0.279	0.065	0.004	0.002	0.018	0.018	0.045	---	---	0.127	1968
1969	---	---	0	2.70	0.630	0.062	0.008	0.001	0.002	0.162	---	---	0.439	1969
1970	---	---	0.053	3.54	1.43	0.342	0.053	0.006	0.004	0.005	---	---	0.671	1970
1971	---	---	0	1.14	0.740	0.238	0.343	0.030	0.005	0.016	---	---	0.312	1971
1972	---	---	0	5.99	2.62	0.166	0.003	0.001	0.004	0.009	---	---	1.09	1972
1973	---	---	0.041	0.100	0.054	1.11	0.201	0.020	0.006	0.010	---	---	0.191	1973
1974	---	---	0	3.66	3.06	0.180	0.010	0.051	0.087	0.050	---	---	0.883	1974
1975	---	---	0	1.84	4.02	0.363	0.027	0.040	0.018	0.015	---	---	0.780	1975
1976	---	---	0.018	2.60	0.309	1.30	0.475	0.109	0.002	0.010	---	---	0.594	1976
1977	---	---	0	0.150	0.287	0.459	0	0	0	0	---	---	0.111	1977
1978	---	---	0.368	2.67	0.812	0.050	0.114	0	0	0	---	---	0.487	1978
1979	---	---	0	7.50	4.95	0.350	0.003	0	0	0	---	---	1.59	1979
1980	---	---	0	3.32	0.269	0	0	0	0	0	---	---	0.440	1980
1981	---	0	0.005	0.014	0.035	0.001	0	0	0	0	---	---	0.007	1981
1982	---	---	0.020	0.298	0.202	0.630	0.120	0.079	0.003	0.007	---	---	0.188	1982
1983	---	---	0	0.817	0.817	1.11	1.34	0.195	0.005	0.003	---	---	0.534	1983
1984	---	---	0.404	0.204	0.087	0.115	0.008	0	0	0	---	---	0.102	1984
1985	---	---	0	10.1	2.51	0.003	0	0	0	0	---	---	1.58	1985
1986	---	---	1.10	0.428	0.446	0.187	0.021	0	0	0	---	---	0.274	1986
MEAN	---	0	0.111	2.29	1.11	0.316	0.126	0.046	0.009	0.019	---	---	0.504	MEAN

LOCATION - LAT 52 03 25 N DRAINAGE AREA, 588 km²
LONG 104 28 56 W REGULATED

REMARKS - RECORDS PRIOR TO 1977 COLLECTED IN NE20-36-18-W2

IRONSPRING CREEK NEAR WATSON - STATION NO. 05MA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1926	---	---	0 ON AUG 29 *	---	1926
1963	---	0.399 B ON MAR 28	0 B ON MAR 1	1 230	1963
1964	---	4.05 B ON APR 12	0 B ON MAR 1	3 070	1964
1965	8.27 B AT 22:00 CST ON APR 12	7.87 B ON APR 13	0 B ON MAR 1	8 370	1965
1966	8.88 AT 20:00 CST ON APR 6	5.80 ON APR 7	0 B ON MAR 1	10 400	1966
1967	14.1 AT 15:00 CST ON MAY 2	12.6 ON MAY 1	0 B ON MAR 1	13 300	1967
1968	4.11 B AT 20:00 CST ON MAR 29	3.60 B ON MAR 30	0 B ON MAR 1	2 700	1968
1969	11.7 AT 02:00 CST ON APR 13	11.6 ON APR 13	0 B ON MAR 1	9 300	1969
1970	7.90 AT 15:08 CST ON APR 30	7.59 ON APR 22	0 B ON MAR 1	14 200	1970
1971	2.94 AT 03:20 CST ON APR 15	2.89 ON JUL 25	0 B ON MAR 1	6 800	1971
1972	15.6 AT 15:09 CST ON APR 22	14.9 ON APR 22	0 B ON MAR 1	23 000	1972
1973	3.45 AT 12:37 CST ON JUN 4	2.94 ON JUN 4	0 B ON MAR 1	4 040	1973
1974	11.6 AT 15:15 CST ON APR 21	10.9 ON APR 22	0 B ON MAR 1	18 700	1974
1975	11.9 AT 15:02 CST ON MAY 2	11.4 ON MAY 2	0 B ON MAR 1	15 800	1975
1976	7.93 AT 17:29 CST ON APR 12	7.70 ON APR 12	0 B ON MAR 1	12 800	1976
1977	2.00 AT 04:45 CST ON MAY 28	1.94 ON MAY 29	0 B ON MAR 1	2 350	1977
1978	9.77 AT 04:12 CST ON APR 9	8.72 ON APR 10	0 B ON MAR 1	10 500	1978
1979	29.6 AT 20:10 CST ON APR 23 *	27.2 ON APR 23 *	0 B ON MAR 1	33 600	1979
1980	9.30 AT 08:41 CST ON APR 15	8.15 ON APR 15	0 B ON MAR 1	9 320	1980
1981	0.270 AT 09:11 CST ON MAY 20	0.147 ON MAY 20	0 B ON MAR 1	146	1981
1982	2.49 B AT 15:05 CST ON APR 14	2.37 ON JUN 3	0 B ON MAR 1	3 560	1982
1983	9.05 B AT 20:26 CST ON APR 19	4.84 ON JUL 4	0 B ON MAR 1	11 300	1983
1984	3.61 B AT 10:37 CST ON MAR 30	2.28 B ON MAR 27	0 B ON MAR 1	2 160	1984
1985	23.5 AT 20:42 CST ON APR 20	20.6 ON APR 20	0 B ON MAR 1	32 900	1985
1986	9.21 B AT 03:22 CST ON MAR 30	7.10 B ON MAR 29	0 B ON MAR 1	5 800	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 700	MEAN

ISKWAO CREEK NEAR CRAIK - STATION NO 05JG014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.024	0.001	0	0	0	0	0	0	---	---	0.003	1972
1973	---	---	0.050	0.001	0.001	0.005	0	0	0	0	---	---	0.007	1973
1974	---	---	0	3.82	0.147	0.016	0	0	0	0	---	---	0.488	1974
1975	---	---	0	0.305	0.022	0	0	0	0	0	---	---	0.040	1975
1976	---	---	0.106	0.775	0.015	0.003	0.016	0	0	0	---	---	0.113	1976
1977	---	---	0	0	0.021	0.009	0.073	0.001	0	0	---	---	0.013	1977
1978	---	---	0.199	0.175	0.006	0	0	0	0	0	---	---	0.048	1978
1979	---	---	0.091	1.60	0.074	0	0	0	0	0	---	---	0.217	1979
1980	---	---	0.303	0.133	0	0	0	0	0	0	---	---	0.055	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	1.10	0.007	0.012	0.037	0.001	0	0	---	---	0.142	1982
1983	---	0	0.128	0.300	0.009	0	0.123	0.003	0	0	---	---	0.070	1983
1984	---	---	0.159	0.018	0	0	0	0	0	0	---	---	0.022	1984
1985	---	---	0.310	1.57	0.038	0	0	0	0	0	---	---	0.236	1985
1986	---	---	0.178	0.008	0	0	0	0	0	0	---	---	0.024	1986
MEAN	---	0	0.103	0.654	0.023	0.003	0.017	0	0	0	---	---	0.099	MEAN

LOCATION - LAT 50 58 44 N DRAINAGE AREA, 361 km²
LONG 105 57 34 W REGULATED

ISKWAO CREEK NEAR CRAIK - STATION NO 05JG014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.7968 AT 01:40 CST ON MAR 22	0.4878 ON MAR 22	0B ON MAR 1 *	85.6	1972
1973	0.263 AT 02:10 CST ON MAR 17	0.218 ON MAR 18	0B ON MAR 1	151	1973
1974	24.5 AT 08:51 CST ON APR 20 *	21.1 ON APR 20 *	0B ON MAR 1	10 300	1974
1975	1.76 AT 14:32 CST ON APR 22	1.29 ON APR 22	0B ON MAR 1	851	1975
1976	3.37 AT 18:50 CST ON APR 1	2.73 ON APR 1	0B ON MAR 1	2 390	1976
1977	0.830 AT 15:40 CST ON JUL 16	0.609 ON JUL 17	0B ON MAR 1	276	1977
1978	1.71 AT 13:05 CST ON APR 1	1.43 ON APR 1	0B ON MAR 1	1 010	1978
1979	8.18 AT 23:40 CST ON APR 18	7.79 ON APR 19	0B ON MAR 1	4 800	1979
1980	3.23 B AT 22:08 CST ON MAR 30	2.62 B ON MAR 30	0B ON MAR 1	1 180	1980
1981	0 B AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1981
1982	10.1 B AT 16:45 CST ON APR 14	8.57 B ON APR 14	0B ON MAR 1	3 010	1982
1983	2.62 B AT 15:44 CST ON APR 2	1.89 B ON APR 1	0B ON MAR 1	1 470	1983
1984	1.14 B AT 21:56 CST ON MAR 20	0.8718 ON MAR 21	0B ON MAR 1	472	1984
1985	8.53 AT 19:29 CST ON APR 2	7.52 ON APR 3	0B ON MAR 1	4 990	1985
1986	0.8208 AT 08:18 CST ON MAR 6	0.6318 ON MAR 3	0B ON MAR 1	498	1986
				2 080	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JACKFISH RIVER NEAR PRINCE - STATION NO 05EG007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.341	6.90	3.34	6.21	---	---	---	---	---	---	1970
1971	---	---	0	0.010	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	---	1.28	---	---	---	---	---	---	---	1973
1974	---	---	0	0.912	10.1	8.36	---	---	---	---	---	---	---	1974
1975	---	---	0	0.092	1.33	0.599	3.03	0.105	0.022	0	---	---	0.852	1975
1976	---	---	0	0.088	0.005	0.001	0.018	0	0	0	---	---	0.014	1976
1977	---	---	0	0.001	0.009	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.001	0.001	0	0	0	0	0	0.077	---	---	0.010	1978
1979	---	---	0	0	2.77	4.84	0.374	0.070	0	0	---	---	0.889	1979
1980	---	---	0	0	0	0.028	0.001	0	0	0	---	---	0.003	1980
1981	---	---	0	0	0.233	0	0	0	0	0.208	---	---	0.056	1981
1982	---	---	0	0	0	0	0	0	0	0.244	---	---	0.031	1982
1983	---	---	0	0	0	0	0.124	0	0	0	---	---	0.016	1983
1984	---	---	0	3.07	4.59	2.86	0.594	0	0	0	---	---	1.38	1984
1985	---	---	0	1.33	9.67	5.91	2.00	0	0	0	---	---	2.38	1985
1986	---	---	0	0	4.27	0.192	0	0	0	0	---	---	0.584	1986
MEAN	---	---	0	0.390	2.85	1.83	0.950	0.015	0.002	0.044	---	---	0.507	MEAN

LOCATION - LAT 53 01 14 N DRAINAGE AREA, 3 320 km²
LONG 108 21 55 W REGULATED

REMARKS - RECORDS WERE COLLECTED IN NW15-48-17-W3 FROM 1970-71 AND 1973-78

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	OB ON APR 1 *	---	1970
1971	---	---	OB ON MAR 1	---	1971
1973	---	---	OE ON JUN 1	---	1973
1974	---	10.6 ON MAY 9	OB ON MAR 1	---	1974
1975	---	6.06 ON MAY 13	OB ON MAR 1	13 800	1975
1976	---	0.597 ON APR 17	OB ON MAR 1	293	1976
1977	---	0.048E ON MAY 16	OB ON MAR 1	27.4	1977
1978	---	0.493 ON OCT 4	OB ON MAR 1	212	1978
1979	6.74 AT 16:10 CST ON JUN 6	6.55 R ON JUN 6	OB ON MAR 1	21 200	1979
1980	0.337 AT 13:20 CST ON JUN 20	0.275 ON JUN 19	OB ON MAR 1	73.5	1980
1981	---	2.96 A ON MAY 14	OB ON MAR 1	1 180	1981
1982	2.47 AT 11:00 CST ON OCT 19	2.40 ON OCT 20	OB ON MAR 1	654	1982
1983	0.525 AT 03:08 CST ON JUL 12	0.517 ON JUL 11	OB ON MAR 1	333	1983
1984	---	10.0 ON APR 17	OB ON MAR 1	29 300	1984
1985	10.9 AT 15:38 CST ON MAY 5 *	10.9 ON MAY 5 *	OB ON MAR 1	50 000	1985
1986	5.59 AT 11:59 CST ON MAY 5	5.56 ON MAY 5	OB ON MAR 1	11 900	1986
				10 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	0.867	1.79	0.803	0.277	0.222	0.249	---	---	---	1920
1921	---	---	---	---	20.5	6.90	2.60	1.35	1.42	1.50	---	---	---	1921
MEAN	---	---	---	---	10.7	4.35	1.70	0.814	0.821	0.875	---	---	---	MEAN

LOCATION - LAT 52 55 45 N, LONG 108 24 39 W
DRAINAGE AREA, 3 480 km^2
NATURAL FLOW

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	OR ON AUG 23 *	---	1919
1920	---	---	---	---	1920
1921	---	27.0 ON MAY 7 *	---	---	1921
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

JEWEL CREEK NEAR GOODWATER - STATION NO. 05NB014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0.010	0.004	0	0	0	---	---	0.002	1959
1960	---	---	1.27	1.27	0.011	0	0	0	0	0	---	---	0.318	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.191	0	0	0	0	0	0	---	---	0.023	1962
1963	---	---	0.094	0.035	0	0.434	0.006	0	0	0	---	---	0.070	1963
1964	---	---	0	0.555	0.030	0.002	0	0	0	0	---	---	0.072	1964
1965	---	---	0	0.982	1.34	0.481	0.245	0.002	0.049	0.015	---	---	0.387	1965
1966	---	---	0.495	0.061	0.015	0.001	0	0	0	0	---	---	0.072	1966
1967	---	---	0.003	0.532	0.583	0.007	0	0	0	0	---	---	0.140	1967
1968	---	---	0	0	0	0	0	0.234	0.051	0.002	---	---	0.036	1968
1969	---	---	0	4.13	0.129	0.002	0.004	0	0	0	---	---	0.522	1969
1970	---	---	0	1.69	2.38	0.078	0.003	0.001	0	0	---	---	0.520	1970
1971	---	---	0.032	1.27	0.013	0	0	0	0	0	---	---	0.161	1971
1972	---	---	1.93	0.112	0.011	0.118	0.002	0	0	0	---	---	0.274	1972
1973	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1973
1974	---	---	0	4.18	0.122	0.044	0.022	0.003	0	0	---	---	0.536	1974
1975	---	---	0.001	3.78	0.813	0.002	0.001	0	0	0	---	---	0.541	1975
1976	---	---	0.988	4.86	0.014	1.15	0.021	0.010	0	0	---	---	0.886	1976
1977	---	---	0	0.001	0.002	0	0	0	0	0	---	---	0	1977
1978	---	---	1.70	0.231	0.003	0.291	1.83	0.004	0.141	0.036	---	---	0.546	1978
1979	---	---	0.018	6.05	1.18	0.028	0	0	0.002	0	---	---	0.893	1979
1980	---	---	0.077	0.027	0	0	0	0	0	0	---	---	0.013	1980
1981	---	0.009	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	3.36	0.078	0.004	0	0	0	0	---	---	0.422	1982
1983	---	---	0	1.89	0.058	0.004	0	0	0	0	---	---	0.251	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.102	0.003	0	0	0	0	0	0	---	---	0.013	1985
1986	---	---	0.088	0.005	0.102	0.013	0.023	0.007	0	0	---	---	0.036	1986
MEAN	---	0.009	0.243	1.26	0.238	0.095	0.081	0.009	0.009	0.002	---	---	0.240	MEAN

LOCATION - LAT 49 23 10 N, LONG 103 42 42 W
DRAINAGE AREA, 208 km^2
REGULATED

JEWEL CREEK NEAR GOODWATER - STATION NO. OSNB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.133 ON JUN 29	0 ON MAR 1 *	38.5	1959
1960	---	13.8 ON MAR 29	OB ON MAR 1	6 720	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	1.17 ON APR 5	0 ON MAR 1	495	1962
1963	---	2.82 ON JUN 9	OB ON MAR 1	1 480	1963
1964	---	2.00 ON APR 7	0 ON MAR 1	1 530	1964
1965	---	8.86 ON MAY 8	OB ON MAR 1	8 210	1965
1966	---	1.73 ON MAR 20	OB ON MAR 1	1 530	1966
1967	---	3.68 ON MAY 2	OB ON MAR 1	2 970	1967
1968	---	1.80 ON AUG 27	0 ON MAR 1	784	1968
1969	---	43.3 ON APR 10 *	OB ON MAR 1	11 100	1969
1970	---	17.2 ON MAY 4	OB ON MAR 1	11 000	1970
1971	---	13.8 B ON APR 8	OB ON MAR 1	3 400	1971
1972	10.8 B AT 16:00 CST ON MAR 20	9.49 B ON MAR 20	OB ON MAR 1	5 790	1972
1973	---	0.001 ON APR 20	OB ON MAR 1	2.33	1973
1974	41.6 AT 20:57 CST ON APR 17	30.9 ON APR 17	OB ON MAR 1	11 300	1974
1975	27.6 B AT 17:51 CST ON APR 21	22.5 B ON APR 21	OB ON MAR 1	11 500	1975
1976	31.1 AT 00:19 CST ON APR 4	26.9 ON APR 4	OB ON MAR 1	18 300	1976
1977	0.009 AT 22:46 CST ON MAY 20	0.008 ON MAY 20	OB ON MAR 1	6.48	1977
1978	19.6 B AT 12:01 CST ON MAR 28	17.2 ON JUL 10	OB ON MAR 1	11 800	1978
1979	47.9 B AT 01:22 CST ON APR 22 *	38.5 B ON APR 22	OB ON MAR 1	18 900	1979
1980	0.7358 AT 10:29 CST ON MAR 24	0.3718 ON MAR 25	OB ON MAR 1	277	1980
1981	---	0.001 ON MAR 1	0 ON MAR 2	0.17	1981
1982	43.8 B AT 03:03 CST ON APR 18	31.0 B ON APR 18	OB ON MAR 1	8 930	1982
1983	12.3 AT 08:59 CST ON APR 12	10.5 ON APR 12	OB ON MAR 1	5 320	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	2.03 B AT 16:30 CST ON MAR 11	0.8149 ON MAR 12	OB ON MAR 1	282	1985
1986	0.856 AT 10:44 CST ON JUN 19	0.588 ON MAY 14	0 ON MAY 2	634	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 070	MEAN

JONES CREEK AT READ'S RANCH - STATION NO. OSHD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	---	0.051	---	---	---	1909
1910	---	---	---	0.122	0.030	0.010	0.017	0.003	0.009	0.013	---	---	0.029	1910
1911	---	---	---	0.488	0.083	0.087	0.036	0.015	---	---	---	---	---	1911
MEAN	---	---	---	0.295	0.057	0.049	0.027	0.009	0.009	0.032	---	---	0.029	MEAN

LOCATION - LAT 49 37 10 N, LONG 108 40 20 W. DRAINAGE AREA, 136 km^2. NATURAL FLOW

JONES CREEK AT READ'S RANCH - STATION NO. OSHD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.204 ON APR 12	0 ON JUL 29 *	531	1910
1911	---	1.56 ON APR 10 *	0 ON JUL 25	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		531	MEAN

JONES CREEK AT STEARNS' RANCH - STATION NO. OSHD009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.072	0.034	0.028	0.026	0.029	---	---	---	1912
1913	---	---	---	---	0.078	0.036	0.030	0.015	0.016	0.022	---	---	---	1913
1914	---	---	---	0.196	0.050	0.032	0.004	0	0	0	---	---	---	1914
1915	---	---	---	0.184	0.085	0.245	0.077	0.025	---	---	---	---	---	1915
MEAN	---	---	---	0.180	0.071	0.088	0.036	0.017	0.014	0.017	---	---	---	MEAN

LOCATION - LAT 49 39 10 N, LONG 108 40 30 W. DRAINAGE AREA, 87.3 km^2. NATURAL FLOW

JONES CREEK AT STEARNS' RANCH - STATION NO. 05HD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0E ON JUL 19 *	---	1914
1915	---	1.13 ON JUN 20 *	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0.002	0.264	0.017	0	0	0	0	0	---	---	0.035	1941
1942	---	---	0.047	0.462	0.012	0.032	0.279	0.086	0.107	0.041	---	---	0.132	1942
1943	---	---	0	2.63	0.107	0.011	0.001	0	0	0	---	---	0.337	1943
1944	---	---	0	0.372	0.014	0.045	0.009	0	0	0	---	---	0.054	1944
1945	---	---	0.080	0.024	0.010	0.011	0.001	0	0	0	---	---	0.016	1945
1946	---	---	0.140	0.036	0.014	0.007	0.031	0.002	0	0.015	---	---	0.031	1946
1947	---	---	0	1.14	0.062	0.057	0.005	0	0	0	---	---	0.155	1947
1948	---	---	0	0.676	0.126	0.010	0	0	0	0	---	---	0.101	1948
1949	---	---	0	0.066	0.003	0.001	0	0.002	0	0	---	---	0.007	1949
1950	---	---	0	0.985	0.023	0.123	0.021	0.001	0.005	0	---	---	0.143	1950
1951	---	---	0	---	0.026	0.017	0.006	0	0.017	0.029	---	---	---	1951
1952	---	---	0.164	0.251	0.012	0.026	0.010	0.002	0.015	0.015	---	---	0.060	1952
1953	---	---	0.346	1.26	0.063	0.123	0.058	0.011	0.007	0.008	---	---	0.235	1953
1954	---	---	0	1.18	0.123	0.264	0.270	0.119	0.402	0.233	---	---	0.333	1954
1955	---	---	0.082	1.49	2.91	0.926	0.402	0.018	0.003	0.012	---	---	0.730	1955
1956	---	---	0.016	2.07	0.503	0.256	0.101	0.018	0.011	0.021	---	---	0.370	1956
1957	---	---	0.367	0.775	0.196	0.029	0.003	0.013	0.005	0.005	---	---	0.173	1957
1958	---	---	0.339	0.297	0.018	0.007	0.003	0.001	0.005	0.011	---	---	0.060	1958
1959	---	---	0.089	0.043	0.025	0.042	0.005	0	0.001	0.009	---	---	0.027	1959
1960	---	---	0	0.506	0.043	0.043	0	0	0	0	---	---	0.073	1960
1961	---	---	0.015	0.044	0.020	0.004	0	0	0	0.001	---	---	0.011	1961
1962	---	---	0	0.227	0.041	0.031	0.005	0	0	0.001	---	---	0.038	1962
1963	---	---	0.139	0.036	0.028	0.036	0.018	0.003	0.003	0.003	---	---	0.033	1963
1964	---	---	0	0.183	0.017	0.004	0	0.002	0	0	---	---	0.028	1964
1965	---	---	0	0.112	0.031	0.047	0.027	0.023	0	0	---	---	0.031	1965
1966	---	---	0.134	0.452	0.025	0.044	0.011	0.022	0	0.003	---	---	0.087	1966
1967	---	---	0	0.433	0.164	0.021	0.002	0	0	0.040	---	---	0.078	1967
1968	---	---	0.516	0.092	0.008	0.008	0.002	0.004	0.005	0.013	---	---	0.082	1968
1969	---	---	0	1.28	0.038	0.025	0.051	0	0	0.013	---	---	0.170	1969
1970	---	---	0.087	0.482	0.074	0.033	0.006	0.002	0	0.017	---	---	0.087	1970
1971	---	---	0	1.33	0.061	0.032	0.008	0.001	0.001	0.004	---	---	0.176	1971
1972	---	---	0.158	0.365	0.069	0.002	0.001	0	0	0.006	---	---	0.075	1972
1973	---	---	0.048	0.016	0.024	0.013	0.004	0.006	0.007	0.002	---	---	0.015	1973
1974	---	---	0	0.950	0.323	0.079	0.010	0.043	0.023	0.009	---	---	0.179	1974
1975	---	---	0	1.20	0.440	0.059	0.008	0.005	0.004	0.010	---	---	0.213	1975
1976	---	---	0	1.32	0.056	0.866	0.049	0.005	0.003	0.003	---	---	0.282	1976
1977	---	---	0.029	0.041	0.067	0.001	0	0	0	0	---	---	0.017	1977
1978	---	---	0.208	0.200	0.060	0.014	0.001	0	0	0.001	---	---	0.060	1978
1979	---	---	0.002	1.84	0.136	0.012	0	0	0	0	---	---	0.219	1979
1980	---	---	0.004	0.587	0.008	0.001	0.001	0.001	0.001	0.001	---	---	0.075	1980
1981	---	---	0.025	0.017	0.004	0.001	0.017	0.005	0.002	0.007	---	---	0.006	1981
1982	---	---	0	0.613	0.035	0.021	0.002	0	0	0.001	---	---	0.083	1982
1983	---	---	0	0.185	0.052	0.083	0.153	0	0.001	0.004	---	---	0.056	1983
1984	---	---	0.111	0.059	0.015	0.022	0	0	0	0.001	---	---	0.027	1984
1985	---	---	0.122	0.856	0.004	0.001	0.001	0	0	0.001	---	---	0.121	1985
1986	---	---	0.334	0.065	0.004	0.001	0.001	0	0	0.001	---	---	0.059	1986
MEAN	---	---	0.078	0.606	0.135	0.077	0.035	0.009	0.014	0.014	---	---	0.120	MEAN

LOCATION - LAT 50 55 10 N DRAINAGE AREA 1 680 km^2
LONG 103 53 57 W REGULATED

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	...	1.88 04 APR 7	0.04 MAR 1 *	735	1941
1942	...	8.11 B 04 APR 3	0.04 MAR 1	2 600	1942
1943	...	18.1 04 APR 5 *	0.04 MAR 1	7 140	1943
1944	...	4.19 04 APR 5	0.04 MAR 1	1 150	1944
1945	...	0 2839 04 MAR 27	0.04 MAR 1	335	1945
1946	...	0 597 04 MAR 27	0.04 MAR 1	655	1946
1947	...	7.08 B 04 APR 14	0.04 MAR 1	2 250	1947
1948	...	3.09 B 04 APR 10	0.04 MAR 1	2 150	1948
1949	...	0 4250 04 APR 2	0.04 MAR 1	162	1949
1950	...	8.17 04 APR 17	0.04 MAR 1	3 010	1950
1951	...	...	0.04 MAR 1	...	1951
1952	...	2.03 B 04 MAR 31	0.04 MAR 1	1 280	1952
1953	...	7.35 04 APR 2	0.04 MAR 1	4 560	1953
1954	...	5.41 04 APR 14	0.04 MAR 1	1 050	1954
1955	...	6.05 04 MAY 6	0.04 MAR 1	15 590	1955
1956	...	6.23 04 APR 14	0.04 MAR 1	1 630	1956
1957	...	2.54 B 04 APR 5	0.04 MAR 1	3 670	1957
1958	...	2.80 B 04 MAR 29	0.04 MAR 1	1 890	1958
1959	...	0 7088 04 MAR 23	0.04 MAR 1	567	1959
1960	...	2.58 A 04 APR 7	0.04 MAR 1	1 550	1960
1961	...	0 0659 04 MAR 26	0.04 MAR 1	222	1961
1962	3.82 AT 03 00 CST 04 APR 17	1.69 04 APR 17	0.04 MAR 1	796	1962
1963	2.36 B AT 01 30 CST 04 MAR 23	1.48 B 04 MAR 23	0.04 MAR 1	705	1963
1964	1.86 B AT 00 30 CST 04 APR 3	1.38 B 04 APR 3	0.04 MAR 1	659	1964
1965	0.874 AT 14 00 CST 04 APR 11	0.986 04 APR 11	0 MAR 1	657	1965
1966	...	1.67 04 APR 3	0.04 MAR 1	1 630	1966
1967	...	3.63 04 APR 16	0.04 MAR 1	1 670	1967
1968	2.97 B AT 03 00 CST 04 MAR 7	2.32 B 04 MAR 6	0.04 JUN 26	1 720	1968
1969	8.81 AT 00 00 CST 04 APR 11	6.94 04 APR 11	0.04 MAR 1	3 800	1969
1970	3.91 AT 20 30 CST 04 APR 8	3.72 04 APR 8	0.04 MAR 1	1 840	1970
1971	0.86 AT 01 21 CST 04 APR 10	0.20 B 04 APR 9	0.04 MAR 1	3 130	1971
1972	1.69 B AT 20 23 CST 04 APR 9	1.27 B 04 APR 9	0.04 MAR 1	1 585	1972
1973	0.824 AT 14 59 CST 04 MAY 12	0.1958 04 MAR 16	0.04 MAR 1	320	1973
1974	7.80 AT 01 93 CST 04 APR 19	4.84 04 APR 19	0.04 MAR 1	3 760	1974
1975	5.27 AT 23 10 CST 04 APR 28	4.50 04 APR 28	0.04 MAR 1	4 510	1975
1976	6.67 AT 22 43 CST 04 JUN 12	5.88 04 APR 9	0.04 MAR 1	5 970	1976
1977	0.671 AT 16 09 CST 04 MAY 9	0.385 04 MAY 6	0.04 MAR 1	364	1977
1978	1.97 B AT 22 42 CST 04 MAR 28	1.65 B 04 MAR 28	0.04 MAR 1	280	1978
1979	7.94 B AT 23 27 CST 04 APR 20	5.30 B 04 APR 19	0.04 MAR 1	4 640	1979
1980	4.13 B AT 01 17 CST 04 APR 6	3.91 B 04 APR 6	0.04 MAR 1	1 690	1980
1981	1.49 AT 14 48 CST 04 JUL 3	0.386 04 JUL 3	0.04 MAR 1	168	1981
1982	4.17 B AT 20 23 CST 04 APR 13	3.76 B 04 APR 13	0.04 MAR 1	1 760	1982
1983	2.35 AT 00 42 CST 04 JUN 25	1.75 04 JUN 11	0.04 MAR 1	1 230	1983
1984	1.21 B AT 11 14 CST 04 MAR 28	0.9859 04 MAR 28	0.04 MAR 1	662	1984
1985	9.04 AT 22 55 CST 04 APR 2 *	6.73 04 APR 2	0.04 MAR 1	2 670	1985
1986	...	1.50 B 04 MAR 19	0.04 MAR 1	1 240	1986

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

2 940 MEAN

KAPOSVAR CREEK NEAR ESTERHAZY - STATION NO. 05JM012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	...	...	0	0 20	3 44	0 718	0 343	0 141	0 005	0 078	...	...	1 35	1956
1957	...	...	0 165	3 15	0 185	0 033	0 010	0 002	0	0	...	...	0 512	1957
1958	...	...	0 146	0 181	0	0	0	0	0	0	...	...	0 041	1958
1959	...	...	0 026	0	0	0	0	0	0	0	...	...	0 005	1959
1960	...	...	0	0 880	0 050	0 002	0	0	0	0	...	...	0 116	1960
1961	...	...	0	0	0	0	0	0	0	0	...	...	0	1961
1962	...	...	0	0 052	0	0	0	0	0	0	...	...	0 004	1962
1963	...	...	0 096	0 005	0 003	0 002	0 005	0 001	0	0	...	...	0 015	1963
1964	...	...	0	0 278	0 126	0 017	0 008	0 001	0 001	0 003	...	...	0 051	1964
1965	...	...	0	1 80	0 378	0 011	0 004	0	0 006	0	...	...	0 271	1965
1966	...	...	0 187	0 087	0 101	0 001	0 018	0 003	0 001	0	...	...	0 143	1966
1967	...	...	0	1 01	0 273	0 012	0	0	0	0	...	...	0 168	1967
1968	...	...	0 010	0 045	0 010	0 001	0	0 001	0 001	0 004	...	...	0 006	1968
1969	...	...	0 001	0 402	0 067	0	0 001	0	0	0	...	...	0 035	1969
1970	...	...	0	0 736	0 108	0 001	0 028	0	0	0 062	...	...	0 115	1970
1971	...	...	0	0 512	0 042	0 001	0 006	0	0	0 577	...	...	0 142	1971
MEAN	...	...	0 015	0 955	0 298	0 053	0 027	0 010	0 001	0 065	...	...	0 181	MEAN

LOCATION - LAT 50 38 57 N
LONG 102 02 20 W
DRAINAGE AREA - 700 km^2
REGULATED SINCE 1967

KAPOSVAR CREEK NEAR ESTERHAZY - STATION NO. 05JM012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	...	16.9 E ON APR 10 *	0 B ON MAR 1 *	20 800	1956
1957	...	5.56 B ON APR 7	0 ON MAY 30	4 800	1957
1958	...	1.33 B ON MAR 28	0 B ON MAR 1	851	1958
1959	...	0.255B ON MAR 22	0 B ON MAR 1	95.5	1959
1960	...	5.63 B ON APR 7	0 B ON MAR 1	2 480	1960
1961	...	0 ON MAR 1	0 ON MAR 1	0	1961
1962	...	0.300B ON APR 5	0 B ON MAR 1	135	1962
1963	...	0.730E ON MAR 23	0 ON MAR 1	210	1963
1964	...	0.453B ON APR 11	0 B ON MAR 1	1 200	1964
1965	...	6.99 B ON APR 12	0 B ON MAR 1	6 720	1965
1966	...	4.25 B ON APR 5	0 B ON MAR 1	3 030	1966
1967	...	6.13 B ON APR 13	0 B ON MAR 1	3 640	1967
1968	...	2.64 B ON MAR 9	0 B ON MAR 1	1 620	1968
1969	...	1.44 ON APR 10	0 B ON MAR 1	1 190	1969
1970	...	3.23 ON APR 14	0 B ON MAR 1	2 430	1970
1971	...	1.19 E ON APR 13	0 B ON MAR 1	2 020	1971
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 030	MEAN

E - ESTIMATED

KAPOSVAR CREEK NEAR TANTALLON - STATION NO. 05JM005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	...	...	...	...	0.002	0	0	0	0	0	...	...	...	1941
1942	...	...	0.004	2.59	0.010	0.222	0.004	0.287	0.096	0.034	...	...	0.486	1942
1943	...	...	0.220	3.61	0.087	0.173	0.185	0.880	0.503	...	...	...	...	1943
1944	...	...	...	0.730	0.055	0.884	0.054	0.905	0.004	0.002	...	...	0.380	1944
1945	...	...	0.260	0.126	0.072	0.047	0.083	0.006	0	...	...	...	...	1945
1946	...	...	...	0.881	0.020	0.006	1.70	0.010	0.006	0.015	...	...	0.367	1946
1947	...	...	...	4.07	0.476	0.459	0.314	0.023	0.011	0.012	...	...	0.813	1947
1948	...	...	...	4.08	1.08	0.212	0.636	0.005	0.003	0.004	...	...	0.853	1948
1949	...	...	...	...	0.030	0.294	0.012	...	...	...	...	...	...	1949
1950	...	...	...	1.48	0.112	0.074	0.167	...	...	...	...	...	...	1950
1951	...	...	...	1.08	0.203	0.224	0.026	0	0	0.003	...	...	0.213	1951
1952	...	...	0.070	1.06	0.030	0.027	0.010	0.003	0.022	0.017	...	...	0.169	1952
1953	...	...	...	1.81	0.271	1.20	0.564	0.820	0.170	0.171	...	...	0.704	1953
1954	...	...	...	1.88	0.985	6.45	4.41	0.526	1.18	1.48	0.687	...	2.42	1954
1955	...	...	...	10.2	10.6	1.65	0.562	0.088	0.010	0.055	...	...	3.26	1955
MEAN	...	...	0.203	2.69	0.922	0.616	0.582	0.202	0.104	0.180	0.687	...	0.869	MEAN

LOCATION - LAT 50 31 43 N DRAINAGE AREA, 1 610 km²
LONG 101 55 50 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1945

KAPOSVAR CREEK NEAR TANTALLON - STATION NO. 05JM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1941	...	...	0 ON MAY 12 *	...	1941
1942	...	16.9 ON APR 1	0 ON JUL 3	8 990	1942
1943	...	11.9 B ON APR 3	0.005 ON AUG 16	...	1943
1944	...	4.25 ON JUN 3	0 E ON AUG 11	8 440	1944
1945	...	0.311B ON APR 15	0 ON AUG 17	...	1945
1946	...	14.7 ON JUL 16	0 ON JUN 27	8 020	1946
1947	...	9.85 B ON APR 10	0 ON SEP 9	15 100	1947
1948	...	12.8 ON APR 26	0 B ON APR 1	15 800	1948
1949	...	5.86 ON APR 5	0 ON JUL 13	...	1949
1950	...	6.40 ON APR 14	0 ON JUL 9	...	1950
1951	...	3.40 B ON APR 5	0 ON JUL 14	3 840	1951
1952	...	4.16 B ON APR 4	0 ON APR 21	3 120	1952
1953	...	11.3 ON APR 2	0.028 ON OCT 8	13 000	1953
1954	...	15.9 ON JUN 10	0.005 ON SEP 2	44 700	1954
1955	...	57.2 ON MAY 6 *	0 ON AUG 24	60 000	1955
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 800	MEAN

E - ESTIMATED

KEARNEY BROTHERS DITCH NEAR KEALEY SPRINGS - STATION NO. 11AC042

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	...	...	0	0	0	0	0	0	0	0	...	...	0	1917
MEAN	...	...	0	0	0	0	0	0	0	0	...	...	0	MEAN

LOCATION - LAT 49 28 20 N
LONG 109 06 10 W REGULATED

REMARKS - NO WATER WAS DIVERTED DURING 1917 AND FROM 1919-20

KEARNEY BROTHERS DITCH NEAR KEALEY SPRINGS - STATION NO 11AC043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1917
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO 08BB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	2.91	2.07	2.52	2.58	2.37	---	1972
1973	2.86	1.99	1.91	2.36	4.13	9.18	8.82	7.51	6.40	5.04	5.48	4.82	4.86	1973
1974	4.68	3.94	3.26	3.15	5.81	10.4	7.29	4.54	3.45	2.82	2.33	2.01	4.47	1974
1975	2.07	2.01	1.84	1.96	2.88	4.40	4.53	4.51	3.68	3.54	2.94	2.29	2.98	1975
1976	1.87	1.77	1.58	1.59	2.17	2.88	3.73	3.85	2.57	1.99	1.54	1.18	2.20	1976
1977	1.65	1.43	1.45	2.04	---	---	4.57	3.07	2.85	2.11	1.50	1.39	---	1977
1978	1.33	1.20	1.15	2.05	5.23	4.65	4.22	3.33	3.19	2.86	2.35	2.02	2.77	1978
1979	1.82	1.65	1.43	1.55	1.59	1.29	1.73	2.51	4.69	4.78	3.73	3.18	2.51	1979
1980	3.70	2.17	1.93	2.06	2.80	2.06	1.59	1.06	0.410	0.315	0.387	0.485	1.48	1980
1981	0.627	0.487	0.709	1.17	3.97	4.38	4.54	4.13	2.83	3.09	1.80	1.85	3.36	1981
1982	2.05	1.85	1.78	1.83	2.38	2.18	2.78	2.80	2.21	2.38	2.47	2.38	2.24	1982
1983	2.01	1.80	1.84	2.07	4.23	7.89	5.21	3.14	1.83	1.81	1.89	2.06	3.98	1983
1984	1.89	1.80	2.16	3.29	9.36	8.57	5.19	3.26	2.19	1.85	1.47	1.33	3.89	1984
1985	1.68	1.42	1.36	1.72	4.25	6.54	6.80	3.91	5.24	3.51	2.77	2.56	3.98	1985
MEAN	1.89	1.81	1.68	2.03	4.05	5.18	4.78	4.00	3.09	2.71	2.37	2.18	3.04	MEAN

LOCATION - LAT 54 55 10 N DRAINAGE AREA 1 020 km^2
LONG 108 03 20 W NATURAL FLOW

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO 08BB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	10.0 AT 23 52 CST ON JUL 11	9.54 ON JUL 6	1.65 ON FEB 25	183 000	1973
1974	---	11.3 E ON JUN 12 *	1.87 ON NOV 30	141 000	1974
1975	8.92 AT 13 59 CST ON AUG 23	5.15 ON AUG 23	1.41 ON APR 5	94 100	1975
1976	8.01 AT 14 49 CST ON JUL 22	4.81 ON JUL 22	1.04 E ON DEC 30	89 700	1976
1977	---	---	1.32 ON DEC 27	---	1977
1978	---	5.78E ON MAY 5	1.10 E ON APR 5	87 400	1978
1979	---	5.44A ON SEP 30	1.15 ON JUN 23	79 300	1979
1980	---	3.08E ON MAY 14	0.248 ON OCT 26 *	67 100	1980
1981	9.03 AT 17 25 CST ON JUL 12	4.97 ON JUL 15	0.380E ON JAN 27	74 500	1981
1982	9.66 AT 19 06 CST ON JUL 26	3.37 ON JUL 27	1.89 ON APR 3	70 400	1982
1983	8.08 AT 04 44 CST ON JUN 1	8.86 ON JUN 1	1.36 ON OCT 16	93 500	1983
1984	---	10.6 E ON JUN 18	1.28 E ON NOV 25	117 000	1984
1985	11.2 AT 22 30 CST ON AUG 6 *	11.1 ON AUG 5	1.34 E ON MAR 20	135 000	1985
1986				95 000	1986
MEAN					MEAN

A - MANUAL GAUGE
(1980 REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KELSEY CREEK NEAR CARRICK - STATION NO 05KE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	1.85	0.409	---	---	---	---	---	---	---	---	1957
1958	---	---	---	1.70	---	---	---	---	---	---	---	---	---	1958
1959	---	---	---	0.715	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	1.02	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	0.915	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	1.52	0.788	---	---	---	---	---	---	---	---	1962
1963	---	---	---	0.825	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.204	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	1.05	0	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.246	0	---	---	---	---	---	---	---	---	1966
1968	---	---	0.011	0.126	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	1.61	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.85	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.53	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	4.85	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	1.22	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	5.14	1.30	1.24	---	---	---	---	---	---	---	1974
1975	---	---	0	0.788	0.177	0	0	0	0	0	---	---	0.119	1975
1976	---	---	0	0.402	0.019	0	0	0	0	0	---	---	0.052	1976
1977	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0	2.55	0.331	0.008	0	0	0	0	---	---	0.353	1978
1979	---	---	0	3.70	1.05	0.096	0	0	0	0	---	---	0.597	1979
1980	---	---	0	0.295	0.005	0	0	0	0	0	---	---	0.033	1980
1981	---	---	0.004	0.028	0.006	0	0	0	0	0	---	---	0.005	1981
1982	---	---	0	0.815	0.011	0.001	0	0	0	0	---	---	0.101	1982
1983	---	---	0	1.65	0.248	0.006	0	0	0	0	---	---	0.310	1983
1984	---	---	0	1.38	0.082	0.178	0.002	0.003	0.001	0.003	---	---	0.189	1984
1985	---	---	0	6.85	0.583	0.385	0.135	0	0	0	---	---	0.946	1985
1986	---	---	0	1.13	0.290	0.027	3	0	0	0	---	---	0.178	1986
MEAN	---	---	0.001	1.80	0.311	0.148	0.011	0	0	0	---	---	0.232	MEAN

LOCATION - LAT 53 28 53 N DRAINAGE AREA 156 km²
LONG 104 19 33 W NATURAL FLOW

REMARKS - STATION OPERATED IN SW05-52-16-W2 1957-73 AND SW17-52-16-W2 FROM 1974-77

KELSEY CREEK NEAR CARRICK - STATION NO 05KE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1968	---	0.7930 ON APR 4	00 ON MAR 1 *	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	2.97 ON APR 19	00 ON MAR 1	2 510	1975
1976	---	3.51 ON APR 8	00 ON MAR 1	1 090	1976
1977	---	0.116 ON APR 10	00 ON MAR 1	25.9	1977
1978	16.7 AT 22 13 CST ON APR 23	13.3 B ON APR 23	00 ON MAR 1	7 480	1978
1979	28.5 AT 20 17 CST ON APR 23	19.7 ON APR 24	00 ON MAR 1	12 800	1979
1980	2.71 B AT 07 04 CST ON APR 14	2.39 B ON APR 14	00 ON MAR 1	701	1980
1981	0.247 AT 18 41 CST ON APR 25	0.145 ON APR 23	00 ON MAR 1	101	1981
1982	7.12 AT 01 58 CST ON APR 19	5.88 ON APR 19	00 ON MAR 1	2 140	1982
1983	11.8 AT 05 06 CST ON APR 23	9.56 ON APR 23	00 ON MAR 1	4 480	1983
1984	8.99 AT 04 23 CST ON APR 10	8.09 ON APR 10	00 ON MAR 1	4 010	1984
1985	31.3 AT 16 24 CST ON APR 20 *	25.4 ON APR 20 *	00 ON MAR 1	20 000	1985
1986	10.3 AT 19 05 CST ON APR 6	6.27 ON APR 7	00 ON MAR 1	3 770	1986
				4 910	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

KNOX COULEE NEAR TURFORD - STATION NO 05JC015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0	0 037	0 001	0	0	0	0	0	---	---	0 005	1979
1980	---	---	0 004	0 003	0	0	0	0	0	0	---	---	0 001	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0 185	0 001	0	0	0	0	0	---	---	0 033	1982
1983	---	---	0 007	0 012	0	0	0 013	0 001	0	0	---	---	0 004	1983
1984	---	---	0 013	0 001	0	0	0	0	0	0	---	---	0 002	1984
1985	---	---	0 033	0 033	0	0	0	0	0	0	---	---	0 008	1985
1986	---	0	0 007	0	0	0	0	0	0	0	---	---	0 001	1986
MEAN	---	0	0 006	0 034	0	0	0 002	0	0	0	---	---	0 005	MEAN

LOCATION - LAT 50 41 41 N DRAINAGE AREA 24 1 km²
LONG 105 36 05 W NATURAL FLOW

KNOX COULEE NEAR TURFORD - STATION NO 05JC015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	0 4850 AT 23 00 CST ON APR 16	0 360 ON APR 16	00 ON MAR 1 e	98 4	1979
1980	0 2058 AT 13 45 CST ON MAR 30	0 0918 ON MAR 30	00 ON MAR 1	18 1	1980
1981	0 8 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1981
1982	1 94 AT 23 52 CST ON APR 15 e	1 42 ON APR 17 e	00 ON MAR 1	682	1982
1983	0 4058 AT 11 30 CST ON MAR 31	0 2248 ON MAR 31	00 ON MAR 1	85 3	1983
1984	0 2248 AT 03 16 CST ON MAR 22	0 0888 ON MAR 22	00 ON MAR 1	38 6	1984
1985	0 7298 AT 12 33 CST ON MAR 19	0 3668 ON MAR 19	00 ON MAR 1	176	1985
1986	0 0948 AT 11 10 CST ON MAR 3	0 0948 ON MAR 3	0 ON APR 8	20 9	1986
				119	MEAN

B - ICE CONDITIONS e - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

KOHLESCHMIDT CREEK NEAR ROSTHERN - STATION NO 05HH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	1 19	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	2 50	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0 534	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0 117	0 143	---	---	---	---	---	---	---	---	1967
1968	---	---	0 566	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	3 66	---	---	---	---	---	---	---	---	---	1969
1970	---	---	0	4 36	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	1 27	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	5 61	---	---	---	---	---	---	---	---	---	1972
1973	---	---	0	0 220	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0	4 30	0 196	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1 06	0 149	0	0	0	0	0	---	---	0 146	1975
1976	---	---	0	1 38	0 044	0 015	0	0	0	0	---	---	0 176	1976
1977	---	---	0	0 004	0 023	0 020	0	0	0	0	---	---	0 006	1977
1978	---	---	0	0 631	0 031	0 001	0 101	0	0	0	---	---	0 080	1978
1979	---	---	0	5 13	1 38	0	0	0	0	0	---	---	0 823	1979
1980	---	---	0	0 845	0 006	0	0	0	0	0	---	---	0 116	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0 012	0	0	0	0	0	0	---	---	0 001	1982
1983	---	---	0	0 946	0 038	0	0	0	0 002	0 001	---	---	0 131	1983
1984	---	---	0 118	0 117	0 001	0 014	0	0	0	0	---	---	0 031	1984
1985	---	---	0	6 13	0 291	0 003	0	0	0	0	---	---	0 787	1985
1986	---	---	0 401	0 212	0 002	0	0	0	0	0	---	---	0 077	1986
MEAN	---	---	0 052	1 87	0 183	0 004	0	0	0	0	---	---	0 306	MEAN

LOCATION - LAT 52 44 50 N DRAINAGE AREA 390 km²
LONG 106 22 05 W NATURAL FLOW

ROMLESCHMIDT CREEK NEAR EASTEND - STATION NO 09AA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	5.87 ON APR 7	00 ON MAR 1 *	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	0.63 B ON APR 15	00 ON MAR 1	---	1971
1972	---	---	---	---	1972
1973	---	0.8210 ON APR 6	00 ON MAR 1	---	1973
1974	---	27.1 B ON APR 19	00 ON MAR 1	---	1974
1975	---	5.00 ON APR 27	00 ON MAR 1	3 140	1975
1976	15.6 B AT 07 57 CST ON APR 9	11.2 B ON APR 9	00 ON MAR 1	3 730	1976
1977	0.212 AT 15 06 CST ON MAY 5	0.146 ON MAY 5	00 ON MAR 1	122	1977
1978	6.05 A AT 23 59 CST ON APR 7	3.40 ON APR 8	00 ON MAR 1	1 890	1978
1979	35.4 AT 06 36 CST ON APR 26	23.1 ON APR 26	00 ON MAR 1	19 600	1979
1980	9.91 B AT 14 06 CST ON APR 16	8.06 B ON APR 16	00 ON MAR 1	2 460	1980
1981	0 B AT 00 00 CST ON MAR 1	0 B ON MAR 1	00 ON MAR 1	0	1981
1982	---	0.1270 ON APR 15	00 ON MAR 1	29.8	1982
1983	12.4 B AT 09 40 CST ON APR 8	6.85 B ON APR 9	00 ON MAR 1	2 560	1983
1984	---	0.9856 ON MAR 29	00 ON MAR 1	852	1984
1985	43.7 AT 09 13 CST ON APR 16 *	37.5 ON APR 16 *	00 ON MAR 1	16 700	1985
1986	8.07 B AT 00 05 CST ON MAR 30	3.63 B ON MAR 30	00 ON MAR 1	1 830	1986
				4 360	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ABBOTT DITCH NEAR EASTEND - STATION NO 11AC020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0	0	0	0.047	0.044	0.039	0.022	0	---	---	0.018	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0.011	0.025	0	0	0	---	---	0.005	1917
1918	---	---	0	0	0.024	0.018	0.002	0	0	0	---	---	0.006	1918
1919	---	---	0	0	0.003	0.022	0.018	0	0	0	---	---	0.006	1919
1920	---	---	0	0	0.022	0.037	0.009	0	0	0	---	---	0.008	1920
1921	---	---	0	0	0	0.036	0.023	0	0	0	---	---	0.007	1921
1922	---	---	0	0	0	0.027	0.010	0	0	0	---	---	0.005	1922
1923	---	---	0	0	0.028	0.017	0	0	0	0	---	---	0.006	1923
1924	---	---	0	0	0.043	0.031	0	0	0	0	---	---	0.008	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0.020	0.008	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	0	0	0	0	---	---	---	---	---	---	---	1938
MEAN	---	---	0	0	0.007	0.015	0.008	0.002	0.001	0	---	---	0.004	MEAN

LOCATION - LAT 49 35 50 N
LONG 108 56 40 W REGULATED

ABBOTT DITCH NEAR EASTEND - STATION NO 11AC020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	0.071 ON JUN 3	0 ON MAR 1 *	400	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0.031 ON JUL 3	0 ON MAR 1	95.5	1917
1918	---	0.068 ON MAY 15	0 ON MAR 1	117	1918
1919	---	0.024 ON MAY 28	0 ON MAR 1	117	1919
1920	---	0.059 ON JUN 17	0 ON MAR 1	179	1920
1921	---	0.048 ON JUN 3	0 ON MAR 1	153	1921
1922	---	0.074 ON JUL 8 *	0 ON MAR 1	97.4	1922
1923	---	0.058 ON JUN 1	0 ON MAR 1	120	1923
1924	---	0.091 ON MAY 3	0 ON MAR 1	172	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0.062 ON JUN 19	0 ON MAR 1	90.2	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	---	0 ON APR 27	---	1931
1938	---	---	0 ON MAR 1	---	1938
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80.7	MEAN

LAKE OF THE RIVERS WEST INFLOW - STATION NO 05JD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	1.30	0.438	0.001	0.032	0.001	0	0	0	---	---	0.222	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.379	0.046	0.003	0	0.011	0	0.196	0	---	---	0.079	1978
1979	---	---	0.154	1.47	0.230	0.031	0	0	0	0	---	---	0.231	1979
1980	---	---	0.071	0.041	0	0.002	0	0	0	0	---	---	0.014	1980
1981	---	0.031	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	1.46	0.125	0.027	0.073	0	0	0	---	---	0.207	1982
1983	---	0.017	0.528	0.184	0.010	0	0	0	0	0	---	---	0.091	1983
1984	---	0.001	0.112	0.003	0	0.378	0.014	0	0	0	---	---	0.083	1984
1985	---	---	0.034	0.005	0	0	0	0	0	0	---	---	0.005	1985
1986	---	0.136	0.254	0	0.043	0	0	0	0	0	---	---	0.038	1986
MEAN	---	0.046	0.257	0.332	0.037	0.042	0.009	0	0.018	0	---	---	0.086	MEAN

LOCATION - LAT 49 44 25 N DRAINAGE AREA 64.2 km²
LONG 105 46 41 W NATURAL FLOW

LAKE OF THE RIVERS WEST INFLOW - STATION NO 05JD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	13.3 AT 15 00 CST ON MAR 28	7.84 ON MAR 28	0.8 ON MAR 1 *	4 700	1976
1977	0 B AT 00 00 CST ON MAR 1	0 B ON MAR 1	0.8 ON MAR 1	0	1977
1978	---	2.21 ON MAR 27	0.8 ON MAR 1	1 870	1978
1979	14.2 AT 04 47 CST ON APR 17	11.9 ON APR 17	0.8 ON MAR 1	4 900	1979
1980	1.50 AT 03 10 CST ON JUN 27	0.805 ON MAR 30	0.8 ON MAR 1	300	1980
1981	---	0.001 ON MAR 1	0 ON MAR 5	0.35	1981
1982	14.7 B AT 20 57 CST ON APR 14 *	13.4 B ON APR 15 *	0.8 ON MAR 1	4 390	1982
1983	7.88 B AT 22 04 CST ON MAR 29	4.49 ON MAR 30	0 ON APR 28	1 910	1983
1984	10.8 AT 08 53 CST ON JUN 21	7.31 ON JUN 21	0.8 ON MAR 7	1 330	1984
1985	0.3898 AT 19 03 CST ON MAR 11	0.1648 ON MAR 11	0 ON APR 11	105	1985
1986	---	1.38 B ON MAR 2	0 ON MAR 30	795	1986
				1 830	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LANIGAN CREEK ABOVE BOULDER LAKE - STATION NO 05JJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	0.011	0.090	0.040	0	0	0	0	0	---	---	0.017	1958
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	0.051	0	0	0	0	0	0	---	---	0.006	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.019	0	0	0	0	0	0	---	---	0.002	1962
1963	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1965
1966	---	---	0.005	0.002	0	0	0	0	0	0	---	---	0.001	1966
1967	---	---	0	0.008	0.902	0	0	0	0	0	---	---	0.115	1967
1968	---	---	0.012	0	0	0	0	0	0	0	---	---	0.002	1968
1969	---	---	0	1.39	0	0	0	0	0	0	---	---	0.170	1969
1970	---	---	0	0.942	0	0	0	0	0	0	---	---	0.115	1970
1971	---	---	0	0.219	0	0	0	0	0	0	---	---	0.027	1971
1972	---	---	0	3.18	2.08	0.308	0.001	0	0	0	---	---	0.890	1972
1973	---	---	0.010	0.350	0.395	0.533	0.713	0.184	0.338	0.147	---	---	0.333	1973
1974	---	---	0	5.56	3.81	1.48	0.296	0.480	0.893	0.425	---	---	1.55	1974
1975	---	---	0	1.32	3.20	0.719	0.041	0.003	0	0	---	---	0.860	1975
1976	---	---	0	3.26	0.548	0.122	0.279	0.104	0.011	0	---	---	0.533	1976
1977	---	---	0	0	0.031	0.022	0	0	0	0	---	---	0.007	1977
1978	---	---	0.013	1.54	0.397	0.038	0	0.010	0.227	0.107	---	---	0.288	1978
1979	---	---	0	5.41	4.18	0.095	0	0	0	0	---	---	1.20	1979
1980	---	---	0	2.63	0.185	0	0	0	0	0	---	---	0.345	1980
1981	---	0	0	0	0	0	0.218	0.285	0.024	0.017	---	---	0.086	1981
1982	---	---	0	0.089	0.019	0.012	0	0.170	0.058	0.010	---	---	0.044	1982
1983	---	---	0	0.733	0.871	0.058	0.124	0.080	0	0	---	---	0.230	1983
1984	---	---	0.014	0.107	0.041	0	0	0	0	0	---	---	0.020	1984
1985	---	---	0	10.2	1.51	0.581	0.280	0.018	0	0	---	---	1.54	1985
1986	---	---	0.085	0.995	0.114	0.004	0	0	0	0	---	---	0.148	1986
MEAN	---	0	0.005	1.31	0.624	0.137	0.087	0.044	0.047	0.024	---	---	0.280	MEAN

LOCATION - LAT 51 38 55 N DRAINAGE AREA 2 380 km²
LONG 105 14 15 W REGULATED

LANIGAN CREEK ABOVE BOULDER LAKE · STATION NO 05JJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.241 ON APR 3	0.0 ON MAR 1 *	368	1958
1959	---	0.8 ON MAR 1	0.0 ON MAR 1	0	1959
1960	---	0.5408 ON APR 5	0.0 ON MAR 1	131	1960
1961	---	0.8 ON MAR 1	0.0 ON MAR 1	0	1961
1962	---	0.4308 ON APR 17	0.0 ON MAR 1	48.6	1962
1963	---	0.011 ON MAR 24	0.0 ON MAR 1	1.99	1963
1964	---	0.0088 ON APR 11	0.0 ON MAR 1	1.04	1964
1965	---	0.062 ON APR 23	0.0 ON MAR 1	6.39	1965
1966	---	0.1308 ON MAR 31	0.0 ON MAR 1	20.4	1966
1967	---	3.88 ON MAY 9	0.0 ON MAR 1	2 440	1967
1968	---	0.1398 ON MAR 7	0.0 ON MAR 1	32.5	1968
1969	---	9.06 ON APR 15	0.0 ON MAR 1	3 600	1969
1970	---	3.28 ON APR 15	0.0 ON MAR 1	2 440	1970
1971	2.47 AT 09 29 CST ON APR 20	2.16 ON APR 19	0.0 ON MAR 1	588	1971
1972	7.76 AT 00 36 CST ON APR 30	7.53 ON APR 30	0.0 ON MAR 1	14 800	1972
1973	1.14 AT 08 33 CST ON JUL 7	1.10 ON JUL 8	0.0 ON MAR 1	7 050	1973
1974	23.3 AT 15 23 CST ON APR 22 *	22.4 ON APR 22	0.0 ON MAR 1	32 900	1974
1975	8.84 AT 02 49 CST ON MAY 4	8.52 ON MAY 4	0.0 ON MAR 1	14 000	1975
1976	8.61 AT 23 21 CST ON APR 13	8.44 ON APR 14	0.0 ON MAR 1	11 300	1976
1977	0.255 AT 21 47 CST ON MAY 25	0.125 ON MAY 26	0.0 ON MAR 1	142	1977
1978	2.53 AT 00 16 CST ON APR 10	2.44 ON APR 10	0.0 ON MAR 1	5 080	1978
1979	21.8 AT 20 40 CST ON APR 24	21.3 ON APR 24	0.0 ON MAR 1	25 400	1979
1980	8.45 ON APR 16	7.88 A ON APR 15	0.0 ON MAR 1	7 320	1980
1981	0.442 AT 16 25 CST ON JUL 23	0.419 ON JUL 25	0.0 ON MAR 1	1 400	1981
1982	0.2994 ON AUG 4	0.280E ON AUG 5	0.0 ON MAR 1	938	1982
1983	3.20 AT 13 16 CST ON APR 26	3.10 ON APR 26	0.0 ON MAR 1	4 870	1983
1984	0.261 AT 13 10 CST ON APR 27	0.204 ON APR 19	0.0 ON MAR 1	436	1984
1985	23.1 AT 14 50 CST ON APR 17	22.7 ON APR 17 *	0.0 ON MAR 1	32 700	1985
1986	2.85 AT 03 34 CST ON APR 7	2.57 ON APR 7	0.0 ON MAR 1	3 130	1986
	A · MANUAL GAUGE (SEE REFERENCE INDEX) B · ICE CONDITIONS E · ESTIMATED	* · EXTREME RECORDED FOR THE PERIOD OF RECORD		5 930	MEAN

LANIGAN CREEK DIVERSION TO LITTLE MANITOU LAKE · STATION NO 05JJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	0.030	0	0	0	0	0	0	---	---	0.004	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.018	0	0	0	0	0	0	---	---	0.002	1962
1963	---	---	0.004	0	0	0	0	0	0	0	---	---	0.001	1963
1964	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.015	0	0	0	0	0	0	---	---	0.002	1965
1966	---	---	0	0.338	0.084	0.013	0.002	0.003	0	0	---	---	0.052	1966
1967	---	---	0	0	0.436	0.103	0.007	0	0	0	---	---	0.059	1967
1968	---	---	0.025	0.278	0.046	0	0	0	0	0	---	---	0.043	1968
1969	---	---	0	0.861	0.235	0	0	0	0	0	---	---	0.135	1969
1970	---	---	0	0.849	0.511	0.090	0.006	0	0	0	---	---	0.156	1970
1971	---	---	0	0.616	0.435	0.074	0.112	0.127	0.079	0.025	---	---	0.183	1971
MEAN	---	---	0.002	0.216	0.133	0.022	0.010	0.010	0.005	0.002	---	---	0.050	MEAN

LOCATION · LAT 51 39 20 N
LONG 105 15 54 W REGULATED

LANIGAN CREEK DIVERSION TO LITTLE MANITOU LAKE · STATION NO 05JJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.0 B ON MAR 1	0.0 ON MAR 1 *	0	1959
1960	---	0.1138 ON APR 5	0.0 ON MAR 1	78.3	1960
1961	---	0.0 ON MAR 1	0.0 ON MAR 1	0	1961
1962	---	0.1868 ON APR 18	0.0 ON MAR 1	47.4	1962
1963	---	0.1028 ON MAR 23	0.0 ON MAR 1	12.0	1963
1964	---	0.0208 ON APR 9	0.0 ON MAR 1	5.52	1964
1965	---	0.2248 ON APR 13	0.0 ON MAR 1	38.9	1965
1966	---	0.5478 ON APR 8	0.0 ON MAR 1	1 050	1966
1967	---	1.32 ON MAY 15	0.0 ON MAR 1	1 480	1967
1968	---	0.433 ON APR 16	0.0 ON MAR 1	912	1968
1969	---	2.28 ON APR 17	0.0 ON MAR 1	2 880	1969
1970	---	2.41 B ON APR 11 *	0.0 ON MAR 1	3 310	1970
1971	---	1.83 ON APR 25	0.0 ON MAR 1	3 870	1971
	B · ICE CONDITIONS	* · EXTREME RECORDED FOR THE PERIOD OF RECORD		1 050	MEAN

LANIGAN CREEK NEAR HATFIELD - STATION NO 05JJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	12 4	33 6	2 27	0 385	0 027	---	---	---	---	---	1955
1956	---	---	---	8 93	2 90	0 847	---	---	---	---	---	---	---	1956
MEAN	---	---	---	10 7	13 3	1 56	0 385	0 027	---	---	---	---	---	MEAN

LOCATION - LAT 51 27 00 N
LONG 105 11 00 W
DRAINAGE AREA 7 810 km²
NATURAL FLOW
DATA CONTRIBUTED BY
PRAIRIE FARM REHABILITATION ADMINISTRATION

LANIGAN CREEK NEAR HATFIELD - STATION NO 05JJ002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1955	---				
1956	---	69 7 ON MAY 4 *	05 ON AUG 10 *	---	1955
		23 8 ON APR 24	05 ON APR 1	---	1956
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LANIGAN CREEK NEAR LANIGAN - STATION NO 05JJ010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	1 52	0 504	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1 57	0 137	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	1 11	---	---	---	---	---	---	---	---	1972
1974	---	---	---	4 35	1 16	0 265	---	---	---	---	---	---	---	1974
1975	---	---	0	1 93	1 68	0 152	0 038	0 008	0 009	0 005	---	---	0 482	1975
1976	---	---	0	3 09	0 194	0 101	0 043	0 011	0 001	0 001	---	---	0 422	1976
1977	---	---	0	0 003	0 051	0 032	0 004	0 001	0 003	0 005	---	---	0 012	1977
1978	---	---	0 039	1 03	0 132	0 005	0 083	0 003	0 003	0 003	---	---	0 187	1978
1979	---	---	0	5 85	2 09	0 114	0 001	0	0	0	---	---	0 971	1979
1980	---	---	0	3 11	0 135	0	0	0	0	0	---	---	0 398	1980
1981	---	0	0	0	0	0 002	0	0	0	0	---	---	0	1981
1982	---	---	0	0 038	0 037	0 044	0 838	0 325	0 001	0	---	---	0 188	1982
1983	---	---	0	1 23	0 619	0 057	0 100	0 017	0 001	0 002	---	---	0 251	1983
1984	---	---	0 003	0 228	0 011	0 006	0	0	0	0	---	---	0 030	1984
1985	---	---	0	8 30	0 512	0 004	0 001	0	0 001	0 001	---	---	1 08	1985
1986	---	---	0 315	0 853	0 045	0 002	0 011	0 002	0 002	0 004	---	---	0 184	1986
MEAN	---	0	0 029	3 20	0 526	0 080	0 096	0 031	0 002	0 002	---	---	0 344	MEAN

LOCATION - LAT 51 50 16 N
LONG 104 58 52 W
DRAINAGE AREA 588 km²
NATURAL FLOW

LANIGAN CREEK NEAR LANIGAN - STATION NO 05JJ010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	
1971	---	---	---	---	1970
1972	---	---	---	---	1971
1974	---	---	---	---	1972
				---	1974
1975	11 6 AT 04 48 CST ON APR 30	10 5 ON APR 30	08 ON MAR 1 *	10 200	1975
1976	14 7 AT 23 50 CST ON APR 9	13 8 ON APR 10	08 ON MAR 1	8 930	1976
1977	---	0 1644 ON MAY 6	08 ON MAR 1	280	1977
1978	2 49 AT 05 33 CST ON APR 10	2 33 ON APR 10	08 ON MAR 1	3 320	1978
1979	20 5 AT 07 59 CST ON APR 26	20 0 ON APR 26	08 ON MAR 1	20 600	1979
1980	13 0 AT 02 47 CST ON APR 12	11 3 ON APR 12	08 ON MAR 1	8 430	1980
1981	0 007 AT 08 11 CST ON JUN 16	0 006 ON JUN 16	08 ON MAR 1	8 82	1981
1982	4 32 AT 14 39 CST ON JUL 20	3 75 ON JUL 21	08 ON MAR 1	3 580	1982
1983	4 08 AT 00 29 CST ON APR 22	3 84 ON APR 22	08 ON MAR 1	5 330	1983
1984	0 830 AT 01 13 CST ON APR 6	0 593 ON APR 6	08 ON MAR 1	538	1984
1985	22 6 AT 19 37 CST ON APR 12 *	22 3 ON APR 12 *	08 ON MAR 1	22 900	1985
1986	4 24 AT 12 32 CST ON APR 1	3 88 ON MAR 31	08 ON MAR 1	3 260	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	7 280	MEAN

LAST MOUNTAIN CREEK NEAR CRAVEN - STATION NO. 05JH006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	12.1	3.41	4.56	3.25	0.645	0.659	0.586	0.233	---	---	3.18	1968
1969	-3.55	-4.18	-2.94	-36.3	-9.64	0.367	1.37	2.73	2.14	3.24	2.18	1.37	-4.80	1969
1970	1.42	-2.63	-1.36	-17.1	-16.9	5.10	2.51	3.40	5.07	6.84	6.21	3.06	-1.80	1970
1971	2.80	1.51	2.35	-33.1	-4.26	-2.03	-1.85	1.35	1.34	7.31	5.81	4.45	-3.49	1971
1973	0.430	0.845	0.701	-1.35	-3.07	-0.634	-0.541	-0.368	-0.582	1.88	1.62	0.925	-0.491	1973
1974	---	---	0	-88.3	-48.9	12.2	24.1	20.2	16.8	14.2	---	---	-8.05	1974
1975	---	---	3.80	-18.6	-35.1	5.27	9.78	11.5	10.3	7.21	---	---	-0.719	1975
1976	---	---	-1.73	-72.4	1.67	-0.666	10.5	10.5	10.5	8.58	---	---	-3.82	1976
1977	---	---	0.629	-0.619	-1.96	-1.28	-0.768	0.053	-0.030	-0.156	---	---	-0.516	1977
MEAN	0.273	-1.11	1.51	-29.4	-12.8	2.40	5.11	5.56	5.12	5.48	3.96	2.45	-2.07	MEAN

LOCATION - LAT 50 42 23 N
LONG 104 46 35 W REGULATED

LAST MOUNTAIN CREEK NEAR CRAVEN - STATION NO. 05JH006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	21.2 B ON MAR 9	0 ON SEP 22	87 500	1968
1969	---	3.99 ON OCT 29	- 104 ON APR 15	- 102 000	1969
1970	---	9.34 ON JUN 17	-30.3 ON APR 11	-38 000	1970
1971	---	9.12 ON OCT 19	-65.1 ON APR 15	-73 900	1971
1973	---	4.33 ON APR 13	-8.47 ON MAY 11	-10 400	1973
1974	---	27.6 ON JUN 29 *	- 306 ON APR 25 *	- 129 000	1974
1975	---	16.5 ON JUN 4	-80.1 ON MAY 1	-15 200	1975
1976	---	14.0 ON OCT 14	- 103 ON APR 8	-83 400	1976
1977	---	4.258 ON MAR 15	-9.57 ON MAY 31	-10 900	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		-43 900	MEAN

LAWRIE CREEK NEAR INSINGER - STATION NO. 05MB012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0	---	---	---	---	---	---	---	---	---	1964
1966	---	---	---	0.625	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	0.551	---	---	---	---	---	---	---	---	1967
1969	---	---	---	0.192	0.003	---	---	---	---	---	---	---	---	1969
1970	---	---	---	0.920	0.347	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.37	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.018	1.68	0.137	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	0.158	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	1.43	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.96	0.741	0.153	0.021	0.001	0.003	0.002	---	---	0.478	1975
1976	---	---	0	2.92	0.028	1.89	0.063	0	0	0	---	---	0.512	1976
1977	---	---	0	0.008	0.011	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0	0.123	0.004	0.001	0.270	0	0.007	0.005	---	---	0.051	1978
1979	---	---	0	2.08	1.26	0.086	0	0	0	0	---	---	0.422	1979
1980	---	---	0	0.418	0	0	0	0	0	0	---	---	0.051	1980
1981	---	---	0	0.001	0.001	0.026	0	0	0	0.001	---	---	0.004	1981
1982	---	---	0	0.907	0.034	0.013	0.001	0	0	0	---	---	0.117	1982
1983	---	---	0	0.806	0.250	0.075	0.488	0.005	0.001	0	---	---	0.178	1983
1984	---	---	0.027	0.050	0.006	0.004	0.002	0	0	0	---	---	0.011	1984
1985	---	---	0.007	1.75	0.042	0.017	0.001	0	0	0	---	---	0.223	1985
MEAN	---	---	0.004	0.990	0.294	0.213	0.077	0.001	0.001	0.001	---	---	0.195	MEAN

LOCATION - LAT 51 29 17 N DRAINAGE AREA, 190 km^2
LONG 103 01 10 W NATURAL FLOW

LAWRIE CREEK NEAR INSINGER - STATION NO 05MB012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	23.1 AT 01 57 CST ON APR 29 *	20.2 ON APR 29 *	0B ON MAR 1 *	10 100	1975
1976	21.3 AT 06 32 CST ON APR 9	20.2 ON APR 9	0B ON MAR 1	13 000	1976
1977	---	0.082 ON MAY 15	0B ON MAR 1	53.6	1977
1978	---	2.15 ON JUL 1	0B ON MAR 1	1 090	1978
1979	12.4 A AT 16 52 CST ON APR 28	10.7 ON APR 28	0B ON MAR 1	8 930	1979
1980	1.84B AT 04 30 CST ON APR 8	1.26 B ON APR 8	0B ON MAR 1	1 090	1980
1981	1.03 AT 08 43 CST ON JUN 14	0.297 ON JUN 14	0B ON MAR 1	76.3	1981
1982	8.48 AT 14 00 CST ON APR 21	3.80 ON APR 21	0B ON MAR 1	2 480	1982
1983	4.82 AT 11 48 CST ON JUL 4	3.84 ON APR 22	0B ON MAR 1	3 770	1983
1984	1.23 AT 15 43 CST ON APR 30	0.281 ON APR 30	0B ON MAR 1	234	1984
1985	4.67E AT 21 00 CST ON APR 10	4.27 E ON APR 11	0B ON MAR 1	4 730	1985
				4 140	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEATHER RIVER BELOW PRESBYTERIAN RIVER - STATION NO 05KB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	38.6	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0	38.6	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 02 26 N, LONG 104 01 33 W
DRAINAGE AREA, 1 340 km^2
NATURAL FLOW

LEATHER RIVER BELOW PRESBYTERIAN RIVER - STATION NO 05KB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	226 ON APR 23	---	---	---	1972
1974	---	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LEATHER RIVER NEAR STAR CITY - STATION NO 05KB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0	0	0	0	---	---	---	1967
1968	---	---	0.602	0.441	0.071	0.105	0	0.187	0.213	0.023	---	---	0.204	1968
1969	---	---	0.006	1.58	0.014	0.001	0	0	0	0.010	---	---	0.197	1969
1970	---	---	0	2.42	0.336	0.043	0.086	0	0	0	---	---	0.356	1970
1971	---	---	0.006	2.28	0.052	0.117	0.097	0.002	0	0	---	---	0.313	1971
1972	---	---	0.015	3.99	0.429	0.001	0	0	0	0	---	---	0.544	1972
1973	---	---	0.002	0.121	0.364	1.96	3.32	0.200	0.013	0.026	---	---	0.750	1973
1974	---	---	0.009	4.72	1.28	0.391	0.037	0.051	0.041	0.081	---	---	0.818	1974
1975	---	---	0.028	2.77	1.10	0.189	0.118	0.110	0.002	0.018	---	---	0.534	1975
1976	---	---	0	1.97	0.052	0.080	0.004	0	0	0	---	---	0.257	1976
1977	---	---	0.014	0.495	0.815	0.199	0.015	0.011	0.007	0.004	---	---	0.194	1977
1978	---	---	0.001	2.65	0.171	0.092	0.020	0	0	0	---	---	0.380	1978
1979	---	---	0	3.48	1.70	0.405	0.004	0	0	0	---	---	0.692	1979
1980	---	---	0	1.57	0.001	0	0	0	0	0	---	---	0.192	1980
1981	---	---	0.099	0.196	0.047	0.001	0	0	0	0	---	---	0.043	1981
1982	---	---	0	1.06	0.112	0.081	0	0	0	0	---	---	0.152	1982
1983	---	---	0	0.771	0.157	0	0	0	0	0	---	---	0.114	1983
1984	---	---	0.010	0.352	0.338	0.388	0.051	0	0	0	---	---	0.141	1984
1985	---	---	0	4.31	0.168	0.080	0.083	0	0	0	---	---	0.585	1985
1986	---	---	0.180	1.60	0.187	0.004	0	0	0	0	---	---	0.241	1986
MEAN	---	---	0.050	1.94	0.390	0.213	0.191	0.029	0.014	0.008	---	---	0.351	MEAN

LOCATION - LAT 52 50 32 N, LONG 104 14 24 W
DRAINAGE AREA, 185 km^2
NATURAL FLOW

LEATHER RIVER NEAR STAR CITY - STATION NO 05KB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON JUN 8 *	---	1967
1968	---	3.40 ON AUG 29	0B ON MAR 1	4 320	1968
1969	---	7.67 B ON APR 13	0 ON JUN 7	4 180	1969
1970	---	8.55 ON APR 19	0B ON MAR 1	7 520	1970
1971	---	11.0 B ON APR 14	0E ON MAY 20	6 630	1971
1972	27.9 AT 19:45 CST ON APR 24	22.5 B ON APR 24	0E ON JUN 5	11 500	1972
1973	---	10.7 A ON JUL 28	0B ON MAR 1	15 900	1973
1974	41.3 AT 17:36 CST ON APR 19 *	30.0 ON APR 20 *	0B ON MAR 1	17 300	1974
1975	11.6 AT 19:24 CST ON APR 28	11.3 ON APR 29	0 ON JUL 25	11 300	1975
1976	---	7.19 B ON APR 8	0B ON MAR 1	5 440	1976
1977	6.71 AT 20:34 CST ON MAY 26	4.45 ON MAY 26	0 ON APR 25	4 110	1977
1978	8.69 B AT 10:23 CST ON APR 19	7.90 B ON APR 19	0 ON JUL 10	7 630	1978
1979	17.9 AT 21:53 CST ON APR 25	14.8 ON APR 25	0B ON MAR 1	14 600	1979
1980	11.5 B AT 21:13 CST ON APR 15	9.04 B ON APR 16	0B ON MAR 1	4 070	1980
1981	0.4458 AT 12:14 CST ON MAR 17	0.3338 ON MAR 31	0B ON MAR 1	900	1981
1982	7.06 B AT 13:30 CST ON APR 17	5.74 B ON APR 17	0B ON MAR 1	3 220	1982
1983	6.29 AT 18:37 CST ON APR 21	4.28 B ON APR 21	0B ON MAR 1	2 420	1983
1984	1.73 B AT 01:53 CST ON APR 5	1.41 B ON APR 6	0B ON MAR 1	2 980	1984
1985	26.5 B AT 19:35 CST ON APR 14	21.4 B ON APR 14	0B ON MAR 1	12 000	1985
1986	10.1 B AT 12:29 CST ON APR 1	6.96 B ON APR 1	0B ON MAR 1	5 090	1986
				7 430	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESLIE EAST DITCH NEAR COULEE - STATION NO 11AB037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	0	0	0.001	0.001	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0.008	0	0	0	0	---	---	0.001	1923
MEAN	---	---	0	0	0	0.003	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 37 50 N
LONG 109 48 50 W REGULATED

LESLIE EAST DITCH NEAR COULEE - STATION NO 11AB037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.006 ON JUL 8	0 ON MAR 1 *	5.05	1921
1922	---	0.011 ON JUN 14	0 ON MAR 1	0.95	1922
1923	---	0.045E ON JUN 22 *	0 ON MAR 1	24.3	1923
				10.4	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESLIE WEST DITCH NEAR COULEE - STATION NO 11AB038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0	0	0	0.015	0	0	0	0	---	---	0.002	1920
1921	---	---	0	0	0	0.007	0.002	0	0	0	---	---	0.001	1921
1922	---	---	0	0	0	0.005	0	0	0	0	---	---	0.001	1922
MEAN	---	---	0	0	0	0.009	0.001	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 37 45 N
LONG 109 48 50 W REGULATED

LESLIE WEST DITCH NEAR COULEE - STATION NO 11AB038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	0.031 ON JUN 11 *	0 ON MAR 1 *	38.2	1920
1921	---	0.031 ON JUN 20	0 ON MAR 1	23.3	1921
1922	---	0.010 ON JUN 28	0 ON MAR 1	13.9	1922
				25.1	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JH005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.080	0.093	0.001	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.026	0.012	0.005	0.020	0	0	0	0	---	---	0.008	1973
1974	---	---	0	1.71	0.401	0.134	0	0	0	0	---	---	0.277	1974
1975	---	---	0	0.479	0.214	0.048	0.007	0	0	0	---	---	0.083	1975
1976	---	---	0	0.508	0.019	0.043	0	0	0	0	---	---	0.070	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.006	0.054	0.011	0.009	0	0	0	0	---	---	0.010	1978
1979	---	---	0.002	0.761	0.189	0.004	0	0	0	0	---	---	0.115	1979
1980	---	---	0.188	0.287	0	0	0	0	0	0	---	---	0.059	1980
1981	---	0.008	0.003	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.384	0.003	0	0	0	0	0	---	---	0.047	1982
1983	---	---	0	0.181	0.005	0	0	0	0	0	---	---	0.023	1983
1984	---	---	0.003	0.003	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.395	1.05	0.077	0	0	0	0	0	---	---	0.188	1985
1986	---	0	0.082	0.002	0	0	0	0	0	0	---	---	0.011	1986
MEAN	---	0.004	0.052	0.368	0.060	0.017	0	0	0	0	---	---	0.082	MEAN

LOCATION - LAT 51 18 02 N, LONG 105 22 52 W. DRAINAGE AREA, 572 km². NATURAL FLOW

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.835 AT 11:00 CST ON MAR 23	0.541 ON MAR 23	OB ON MAR 1 *	458	1972
1973	0.2888 AT 18:32 CST ON MAR 19	0.144 ON MAR 28	OB ON MAR 1	167	1973
1974	17.7 B AT 10:35 CST ON APR 18 *	12.8 B ON APR 18 *	OB ON MAR 1	5 860	1974
1975	2.72 AT 17:10 CST ON APR 17	2.42 ON APR 17	OB ON MAR 1	1 980	1975
1976	5.75 AT 11:50 CST ON APR 6	3.28 ON APR 6	OB ON MAR 1	1 480	1976
1977	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
1978	0.8808 AT 11:03 CST ON APR 2	0.4508 ON APR 2	OB ON MAR 1	209	1978
1979	5.95 AT 18:51 CST ON APR 17	4.67 ON APR 18	OB ON MAR 1	2 440	1979
1980	8.46 B AT 11:19 CST ON MAR 31	3.88 B ON MAR 31	OB ON MAR 1	1 250	1980
1981	---	0.0278 ON MAR 1	OB ON MAR 8	8.29	1981
1982	7.65 B AT 11:40 CST ON APR 13	3.51 ON APR 14	OB ON MAR 1	1 000	1982
1983	1.34 B AT 13:22 CST ON APR 5	0.9558 ON APR 5	OB ON MAR 1	482	1983
1984	0.0678 AT 00:11 CST ON MAR 30	0.0558 ON MAR 30	0 ON MAR 1	15.7	1984
1985	13.0 B AT 12:08 CST ON MAR 21	5.39 B ON APR 2	OB ON MAR 1	3 980	1985
1986	0.9598 AT 16:29 CST ON MAR 4	0.6448 ON MAR 4	0 ON APR 5	225	1986
				1 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEWIS DITCH AT KLINTONEL - STATION NO. 05MD013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	0.005	0.005	---	---	---	---	---	1919
1920	---	---	---	---	---	---	0.006	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	---	0.006	0.005	---	---	---	---	---	MEAN

LOCATION - LAT 49 41 42 N, LONG 108 54 53 W. REGULATED

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05NF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	0.037	0.001	---	---	---	---	---	---	---	1936
1973	---	---	---	---	---	---	---	---	---	0.039	---	---	---	1973
1974	---	---	0.014	5.56	0.854	0.136	0.024	0.001	0	0.002	---	---	0.934	1974
1975	---	---	0	4.84	2.49	1.47	0.055	0.005	0.545	0.361	---	---	1.22	1975
1976	---	---	0.003	18.3	0.731	0.538	0.015	0.001	0.001	0.003	---	---	2.41	1976
1977	---	---	0.004	0.001	0.013	0.001	0	0	0		---	---	0.002	1977
1978	---	---	0.013	0.080	0.006	0.002	0.001	0	0		---	---	0.010	1978
1979	---	---	0	2.23	0.290	0.032	0.002	0.002	0		---	---	0.315	1979
1980	---	---	0	0.011	0.001	0	0	0	0		---	---	0.002	1980
1981	---	---	0.042	0.002	0.001	0	0	0	0		---	---	0.005	1981
1982	---	---	0	1.86	0.015	0.001	0	0	0		---	---	0.229	1982
1983	---	---	0	2.14	0.113	0.007	0.018	0	0	0.001	---	---	0.279	1983
1984	---	---	0.023	0.008	0.009	0.001	0	0	0		---	---	0.005	1984
1985	---	---	0.977	0.472	0.017	0.001	0	1.26	0.730	0.364	---	---	0.478	1985
1986	---	0.004	1.20	0.358	0.876	0.012	0.292	0.053	0.008	0.012	---	---	0.387	1986
MEAN	---	0.004	0.175	2.84	0.397	0.157	0.031	0.102	0.089	0.056	---	---	0.481	MEAN

LOCATION - LAT 49 13 17 N, LONG 101 43 08 W. DRAINAGE AREA, 740 km². NATURAL FLOW

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05MF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1972	---	---	0 On AUG 16 *	---	1972
1974	30.0 B AT 17 29 CST ON APR 17	25.1 B ON APR 17	0 On JUL 30	19 800	1974
1975	24.6 AT 00 34 CST ON APR 30	23.1 On APR 30	0 0 On MAR 1	25 800	1975
1976	49.5 AT 19 54 CST ON APR 10 *	44.7 On APR 11 *	0 On JUL 29	51 000	1976
1977	---	0.0686 On MAY 10	0 0 On MAR 1	50.5	1977
1978	---	0.6009 On APR 1	0 0 On MAR 1	215	1978
1979	16.2 B AT 23 36 CST ON APR 20	13.5 B On APR 21	0 0 On MAR 1	6 880	1979
1980	0.0448 AT 00 10 CST ON APR 6	0.0349 On APR 6	0 0 On MAR 1	31.6	1980
1981	---	0.3008 On MAR 1	0 On MAY 10	119	1981
1982	21.8 B AT 02 36 CST ON APR 14	17.3 B On APR 14	0 0 On MAR 1	6 850	1982
1983	5.57 AT 03 26 CST ON APR 24	5.46 On APR 23	0 0 On MAR 1	5 910	1983
1984	0.2718 AT 17 51 CST ON MAR 23	0.2158 On MAR 23	0 0 On MAR 1	113	1984
1985	8.49 B AT 12 42 CST ON MAR 15	2.71 On AUG 25	0 0 On MAR 1	10 100	1985
1986	4.18 B AT 17 15 CST ON MAR 3	3.94 On MAY 10	0.002 On SEP 6	7 770	1986
				10 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LILIAN RIVER NEAR LADY LAKE - STATION NO. 05MC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.33	1.78	2.07	0.523	0.181	0.227	0.206	0.227	---	---	1965
1966	---	---	---	---	1.28	0.843	---	---	---	---	---	---	---	1966
1967	---	---	---	0.886	---	---	---	---	---	---	---	---	---	1967
1969	---	---	---	---	0.072	0.057	0.021	0.004	0.006	0.058	---	---	---	1969
1970	---	---	0.010	1.67	1.04	0.243	0.252	0.000	0.055	0.120	---	---	0.417	1970
1971	---	---	0.003	4.18	0.554	0.246	0.146	0.049	0.006	0.016	---	---	0.653	1971
1972	---	---	0.013	6.71	2.83	0.215	0.135	0.023	0.027	0.047	---	---	0.972	1972
1973	---	---	0.120	0.789	0.220	0.257	0.034	0.011	0.018	0.017	---	---	0.178	1973
1974	---	---	0	2.61	1.85	1.22	0.079	0.050	0.072	0.065	---	---	0.714	1974
1975	---	---	0.014	2.50	1.13	0.901	0.150	0.061	0.141	0.122	---	---	0.625	1975
1976	---	---	0.012	4.89	0.388	1.80	0.474	0.089	0.016	0.068	---	---	0.938	1976
1977	---	---	0.017	0.937	0.106	0.041	0.040	0.027	0.057	0.025	---	---	0.157	1977
1978	---	---	0.005	1.48	0.134	0.022	0.072	0.022	0.038	0.031	---	---	0.224	1978
1979	---	---	0	3.40	1.61	0.395	0.069	0.023	0.032	0.076	---	---	0.733	1979
1980	---	---	0.021	1.09	0.068	0.028	0.027	0.028	0.046	0.068	---	---	0.171	1980
1981	---	---	0.208	0.514	0.087	0.068	0.026	0.065	0.035	0.175	---	---	0.146	1981
1982	---	---	0.026	0.730	0.055	0.108	0.062	0.032	0.022	0.055	---	---	0.132	1982
1983	---	---	0.015	1.50	0.585	0.429	0.516	0.065	0.006	0.027	---	---	0.416	1983
1984	---	---	0.145	1.12	0.306	0.461	0.031	0.021	0.012	0.096	---	---	0.271	1984
1985	---	---	0.002	2.52	0.348	0.112	0.023	0.023	0.017	0.046	---	---	0.366	1985
1986	---	---	0.048	1.80	0.194	0.083	0.107	0.038	0.020	0.027	0.033	---	0.265	1986
MEAN	---	---	0.039	2.02	0.736	0.484	0.148	0.046	0.050	0.075	0.130	---	0.426	MEAN

LOCATION - LAT. 52 01 22 N DRAINAGE AREA. 220 km^2
LONG 102 37 30 W NATURAL FLOW

LILIAN RIVER NEAR LADY LAKE - STATION NO. 05MC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	6.60 On APR 26	0 0 On MAR 1 *	6 630	1970
1971	---	25.0 On APR 17 *	0 0 On MAR 1	13 600	1971
1972	23.5 On APR 26 *	23.1 On APR 26	0.0036 On MAR 1	20 600	1972
1973	---	2.178 On APR 6	0 0 On MAR 1	3 790	1973
1974	---	13.0 B On APR 21	0 0 On MAR 1	15 100	1974
1975	16.1 AT 16 26 CST ON APR 23	13.4 On APR 24	0.003 On AUG 19	13 200	1975
1976	21.3 AT 15 32 CST ON APR 12	20.3 On APR 12	0.003 On SEP 17	19 900	1976
1977	5.240 AT 16 45 CST ON APR 13	4.788 On APR 14	0.012 On AUG 24	3 320	1977
1978	9.378 AT 14 32 CST ON APR 10	8.398 On APR 10	0 0 On MAR 1	6 760	1978
1979	18.4 B AT 13 50 CST ON APR 20	17.0 B On APR 20	0 0 On MAR 1	15 500	1979
1980	0.90 AT 01 40 CST ON APR 16	0.67 On APR 16	0.001 On JUN 19	3 630	1980
1981	---	1.500 On APR 6	0.005 On JUL 13	3 100	1981
1982	3.928 AT 21 40 CST ON APR 16	3.278 On APR 17	0.0068 On APR 2	2 780	1982
1983	13.1 B AT 10 50 CST ON APR 24	11.5 B On APR 24	0.001 On SEP 7	6 780	1983
1984	2.869 AT 06 24 CST ON APR 6	2.358 On APR 6	0.003 On SEP 6	5 760	1984
1985	8.178 AT 10 50 CST ON APR 15	8.578 On APR 15	0.0019 On MAR 1	6 170	1985
1986	6.678 AT 19 36 CST ON APR 7	5.798 On APR 7	0.0038 On MAR 1	8 060	1986
				9 240	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LINDNER BROS. DITCH NEAR BATTLE CREEK - STATION NO. 11AB012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.002	---	---	---	---	---	1910
1911	---	---	0	0	0.021	0.029	0.010	0.001	0	0	---	---	0.008	1911
1912	---	---	0	0.017	0.030	0.070	0.043	0	0	0	---	---	0.027	1912
1913	---	---	0	0.005	0.106	E 0.110	0.143	0.003	0	0	---	---	0.047	1913
1914	---	---	0	0.006	0.067	0.019	0.025	0	0	0	---	---	0.016	1914
1915	---	---	0	0.006	0	0.011	0.030	0	0	0	---	---	0.010	1915
1916	---	---	0	0.038	0.035	0	0.013	0	0	0	---	---	0.011	1916
1917	---	---	0	0	0.044	0.054	0.057	0	0	0	---	---	0.019	1917
1918	---	---	0	0.042	0.039	0.072	0.058	0	0	0	---	---	0.026	1918
1919	---	---	0	0.036	0.035	0.012	0.006	0	0	0	---	---	0.011	1919
1920	---	---	0	0	0	0.051	0.035	0	0	0	---	---	0.011	1920
1921	---	---	0	0.042	0.007	0.019	0.060	0	0	0	---	---	0.015	1921
1922	---	---	0	0	0	0.090	0.027	0.002	0	0	---	---	0.014	1922
1923	---	---	0	0.013	0.072	0.035	0.007	0	0	0	---	---	0.016	1923
1924	---	---	0	0	0.000	0.017	0.010	0	0	0	---	---	0.004	1924
1925	---	---	0	0	0	0.021	0.010	0	0	0	---	---	0.005	1925
1926	---	---	0	0.001	0.066	0.060	0.003	0	0	0	---	---	0.016	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
1929	---	---	0	0	0	0	0.025	0	0	0	---	---	0.003	1929
1930	---	---	0	0	0.009	0.070	0.013	0	0	0	---	---	0.012	1930
1931	---	---	0	0	0.045	0.020	0	0	0	0	---	---	0.009	1931
MEAN	---	---	0	0.013	0.030	0.040	0.021	0	0	0	---	---	0.014	MEAN

LOCATION - LAT 65 27 24 N
LONG 109 50 24 W REGULATED

LINDNER BROS. DITCH NEAR BATTLE CREEK - STATION NO. 11AB012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	0.051 ON MAY 15	00 ON MAR 1 *	160	1911
1912	---	0.235 ON APR 28	00 ON MAR 1	575	1912
1913	---	0.280 ON JUN 16	00 ON MAR 1	866	1913
1914	---	0.180 ON MAY 5	00 ON MAR 1	394	1914
1915	---	0.183 ON APR 13	00 ON MAR 1	302	1915
1916	---	0.275 ON MAY 6	00 ON MAR 1	225	1916
1917	---	0.356 ON MAY 16 *	00 ON MAR 1	610	1917
1918	---	0.221 ON APR 23	00 ON MAR 1	568	1918
1919	---	0.224 ON APR 19	00 ON MAR 1	240	1919
1920	---	0.206 ON JUN 17	00 ON MAR 1	237	1920
1921	---	0.166 ON APR 18	00 ON MAR 1	257	1921
1922	---	0.227 ON JUN 3	00 ON MAR 1	283	1922
1923	---	0.170 ON MAY 15	00 ON MAR 1	336	1923
1924	---	0.046 ON MAY 31	00 ON MAR 1	85.0	1924
1925	---	0.076 ON JUN 10	00 ON MAR 1	105	1925
1926	---	0.220 ON MAY 6	00 ON MAR 1	300	1926
1927	---	0.006 ON JUL 12	00 ON MAR 1	6.52	1927
1928	---	---	0 ON APR 12	---	1928
1929	---	0.130 ON JUL 6	00 ON MAR 1	64.1	1929
1930	---	0.151 ON MAY 31	00 ON MAR 1	255	1930
1931	---	0.127 ON MAY 23	00 ON MAR 1	186	1931
				258	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BREED CREEK NEAR BUZZARD'S RANCH - STATION NO 11AC026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	0 ON APR 16 *	---	1915
1916	---	19 7 ON MAR 28 *	0E ON JUN 25	---	1916
MEAN				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO 05KB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0 730	---	1 47	---	---	---	---	---	---	---	1973
1974	---	---	---	4 07	1 34	1 36	---	---	---	---	---	---	---	1974
1975	---	--	0	1 71	0 508	0 130	0	0	0	0	---	---	0 281	1975
1976	---	--	0	0 567	0 003	0	0	0	0	0	---	---	0 070	1976
1977	---	--	0	0 002	0	0	0	0	0	0	---	---	0	1977
1978	---	--	0	1 53	0 197	0	0	0	0	0	---	---	0 213	1978
1979	---	---	0	3 32	1 23	0 241	0 083	0	0	0	---	---	0 803	1979
1980	---	---	0	0 933	0 071	0	0	0	0	0	---	---	0 123	1980
1981	---	---	0 021	0 018	0 004	0	0	0	0	0	---	---	0 005	1981
1982	---	---	0	0 990	0 091	0 126	0 027	0	0	0	---	---	0 152	1982
1983	---	---	0	0 950	0 225	0 002	0	0	0	0	---	---	0 156	1983
1984	---	---	0	0 896	0 304	0 246	0 009	0	0	0	---	---	0 179	1984
1985	---	---	0	2 95	0 091	0 036	0 056	0	0	0	---	---	0 390	1985
1986	---	---	0 055	0 885	0 185	0 008	0	0	0	0	---	---	0 113	1986
MEAN	---	---	0 005	1 38	0 335	0 259	0 018	0	0	0	---	---	0 191	MEAN

LOCATION LAT 53 09 36 N LONG 104 10 17 W DRAINAGE AREA 87 0 km^2 NATURAL FLOW

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO 05KB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	9 51 ON APR 26	0B ON MAR 1 *	6 150	1975
1976	---	3 77 B ON APR 6	0B ON MAR 1	1 660	1976
1977	---	0 014 ON APR 12	0B ON MAR 1	4 67	1977
1978	---	5 46 B ON APR 15	0B ON MAR 1	4 500	1978
1979	---	16 5 A ON APR 24	0B ON MAR 1	12 800	1979
1980	0 190 07 20 45 CST ON APR 16	7 04 ON APR 15	0B ON MAR 1	2 610	1980
1981	---	0 0908 ON MAR 17	0B ON MAR 1	115	1981
1982	0 280 07 02 19 CST ON APR 17	8 44 B ON APR 17	0B ON MAR 1	3 210	1982
1983	0 0 07 21 16 CST ON APR 21	7 85 B ON APR 21	0B ON MAR 1	3 340	1983
1984	0 00 07 20 40 CST ON APR 8	4 73 B ON APR 8	0B ON MAR 1	3 600	1984
1985	00 0 B 07 00 15 CST ON APR 16 *	16 1 B ON APR 16 *	0B ON MAR 1	6 250	1985
1986	---	2 41 B ON APR 1	0I ON MAR 1	2 380	1986
MEAN				4 050	MEAN

D - REGULAR GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK AT INTERNATIONAL BOUNDARY : STATION NO 11AB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.020	0	0	0	0	0	---	---	---	1910
1911	---	---	1.85	3.06	0.625	0.592	0.896	0	4.19	0.040	---	---	1.37	1911
1912	---	---	0.003	20.1	0.750	0.465	0.007	0	0	0	---	---	2.61	1912
1913	---	---	0.031	15.8	0.696	0.052	0.072	0.005	0	0	---	---	2.04	1913
1914	---	---	1.70	3.49	0.162	0.002	0	0	0	0.513	---	---	0.726	1914
1915	---	---	---	7.37	0.262	0.367	1.90	0.701	0.042	0.008	---	---	---	1915
1916	---	---	---	1.57	1.01	3.61	3.79	0.353	0.246	0.195	---	---	---	1916
1917	---	---	0	23.8	5.44	0.321	0.003	0	0	0	---	---	3.76	1917
1918	---	---	6.71	19.2	0.891	0.116	0	0	0	0	---	---	3.33	1918
1919	---	---	0	3.54	0.206	0.005	0	0	0	0	---	---	0.460	1919
1920	---	---	0.260	6.03	2.65	1.37	0.145	0	0	0	---	---	1.29	1920
1921	---	---	0.803	7.29	2.53	0.285	0.028	0	0	0	0	---	1.35	1921
1922	---	---	0	19.0	2.86	0.085	0.076	0.001	0	0	---	---	2.71	1922
1923	---	---	0.403	3.74	0.176	2.57	1.92	0.108	0.001	0	---	---	1.10	1923
1924	---	---	0	1.7	0.043	0.900	0.003	0	0	0	---	---	0.259	1924
1925	---	---	6.71	11.7	0.372	1.11	0	0	0.020	0.001	---	---	2.47	1925
1926	---	---	3.96	2.547	0.010	0	0.171	0	0	0	---	---	0.990	1926
1927	---	---	4.66	15.1	15.6	1.98	0.870	0.026	0	0	---	---	4.78	1927
1928	---	---	10.3	6.75	0.634	0.176	0.273	0.056	0	0	---	---	2.27	1928
1929	---	---	0.552	3.99	3.22	0.112	0.001	0	0	0	---	---	0.978	1929
1930	---	2.26	3.88	3.67	0.075	0.001	0.003	0	0	0	---	---	0.951	1930
1931	---	---	0	0.028	0	0.036	0.145	0.017	0	0	---	---	0.028	1931
1932	---	0.550	2.30	2.06	0.156	0.120	0	0	0	0	---	---	0.577	1932
1933	---	---	2.76	1.14	1.20	0.276	0.472	0.007	0	0	---	---	0.735	1933
1934	---	1.64	4.35	1.25	0.013	0.177	0	0	0	0	---	---	0.726	1934
1935	---	---	3.63	3.89	0.162	0.003	0.034	0	0	0	---	---	0.973	1935
1936	---	---	0	5.80	0.122	0	0	0	0	0	---	---	0.725	1936
1937	0	0	0.177	7.19	0.056	0.011	0	0	0	0	---	---	0.911	1937
1938	---	---	4.26	3.42	0.337	0.304	0.789	0	1.28	0	---	---	1.29	1938
1939	---	---	11.4	1.06	0.080	0.729	0.140	0	0	0	---	---	1.69	1939
1940	---	---	0	18.6	1.86	0.221	0.173	0.283	0.200	0.054	---	---	2.60	1940
1941	---	---	6.63	0.358	0.016	0.510	0.572	0	0	0	---	---	1.02	1941
1942	---	---	0.221	1.22	0.006	3.10	0.333	0	0	0.028	---	---	0.604	1942
1943	---	---	12.6	3.96	0.050	0.015	0.141	0	0.016	0.001	---	---	2.10	1943
1944	---	---	0.030	0.396	0.007	0.076	0.742	0	0	0	---	---	0.156	1944
1945	---	---	3.54	0.111	0.003	0	0	0	0	0	---	---	0.462	1945
1946	---	---	3.58	0.711	0.004	0.037	0	0	0	0	---	---	0.545	1946
1947	---	---	4.05	4.79	0.152	0.052	0	0	0	0	---	---	1.12	1947
1948	---	---	0.016	7.22	1.70	0.093	0	0	0	0	---	---	1.11	1948
1949	---	---	0	0.147	0.020	0.001	0	0	0	0	---	---	0.021	1949
1950	---	---	0	5.14	0.049	0	0	0	0	0	---	---	0.635	1950
1951	---	---	0	9.41	4.73	0.786	0.070	2.15	1.33	0.101	---	---	2.30	1951
MEAN	0	1.11	2.60	6.22	1.18	0.493	0.323	0.088	0.174	0.023	0	---	1.37	MEAN

LOCATION - LAT 49 01 00 N DRAINAGE AREA 1 970 km² INTERNATIONAL GAUGING STATION
LONG 105 45 00 W NATURAL FLOW

LODGE CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	00 ON JUN 1 *	---	1910
1911	---	47.3 ON SEP 7	0 ON MAR 1	25 000	1911
1912	---	82.9 ON APR 5	0 ON MAR 1	55 300	1912
1913	---	35.1 ON APR 12	00 ON MAR 1	43 200	1913
1914	---	15.7 ON MAR 18	00 ON MAR 1	15 400	1914
1915	---	39.6 ON APR 4	0 ON AUG 19	---	1915
1916	---	---	---	---	1916
1917	---	55.5 E ON APR 10	00 ON MAR 1	78 700	1917
1918	---	76.5 E ON MAR 31	00 ON MAR 1	70 500	1918
1919	---	9 STA ON APR 20	0 ON MAR 1	5 740	1919
1920	---	18.7 A ON JUN 18	00 ON MAR 1	27 300	1920
1921	---	30.2 ON APR 16	00 ON MAR 1	28 600	1921
1922	---	67.3 E ON APR 8	00 ON MAR 1	57 300	1922
1923	---	35.6 ON JUN 22	00 ON MAR 1	23 300	1923
1924	---	13.6 ON JUN 9	00 ON MAR 1	5 480	1924
1925	---	41.9 ON APR 24	00 ON MAR 1	52 200	1925
1926	---	12.7 E ON MAR 2	0 ON MAY 24	12 500	1926
1927	---	66.4 ON MAY 23	00 ON MAR 1	101 000	1927
1928	---	79.3 E ON MAR 24	00 ON MAR 1	46 000	1928
1929	---	25.2 ON MAY 1	0 ON MAR 1	20 700	1929
1930	---	22.6 E ON MAR 12	0 ON JUN 11	20 100	1930
1931	---	2.38 ON JUL 1	0 ON MAR 1	603	1931
1932	---	16.5 ON APR 3	0 ON JUL 1	12 200	1932
1933	---	11.0 E ON MAR 20	00 ON MAR 1	15 600	1933
1934	---	5.498 ON MAR 11	0A ON MAY 30	15 400	1934
1935	---	20.7 ON MAR 16	0 ON MAR 1	20 600	1935
1936	---	51.1 E ON APR 11	00 ON MAR 1	15 300	1936
1937	---	47.6 ON APR 10	0 ON MAR 1	19 300	1937
1938	---	30.0 E ON MAR 28	00 ON MAR 1	27 300	1938
1939	---	97.1 ON MAR 23	0 ON MAR 1	35 700	1939
1940	---	83.8 ON APR 19	0 ON MAR 1	85 000	1940
1941	---	58.0 E ON MAR 20	00 ON MAR 1	21 500	1941
1942	---	60.5 ON JUN 27	0 ON MAR 1	13 800	1942
1943	---	121 ON MAR 30 *	0 ON MAR 1	66 800	1943
1944	---	12.5 ON JUL 6	00 ON MAR 1	2 320	1944
1945	---	18.7 E ON MAR 20	0 ON MAR 1	9 780	1945
1946	---	8.66 ON MAR 29	0 ON MAY 11	11 500	1946
1947	---	25.3 ON MAR 29	0 ON MAR 1	23 700	1947
1948	---	23.4 ON APR 18	0 ON MAR 1	23 500	1948
1949	---	1.32 ON APR 8	0 ON MAR 1	635	1949
1950	---	25.1 ON APR 14	0 ON MAR 1	13 400	1950
1951	---	60.5 ON AUG 31	00 ON MAR 1	40 800	1951
MEAN				29 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AB083

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	0.041	13.6	2.35	0.245	0.359	0.005	0	0	---	---	0.95	1952
1953	---	---	0	1.35	4.03	0.845	0.043	0.002	0	0	---	---	1.29	1953
1954	---	0	0	2.32	0.188	0.391	0.003	0	0	0.031	---	---	0.380	1954
1955	---	---	0.482	18.1	4.77	0.421	4.93	0.058	0	0.023	---	---	3.55	1955
1956	---	---	0.329	3.41	0.647	0.092	1.23	0.064	0.007	0.002	---	---	0.763	1956
1957	---	---	0.512	7.59	1.13	0.192	0.001	0	0	0	---	---	1.18	1957
1958	---	---	2.18	13.6	0.165	0.035	0	0	0	0	---	---	1.99	1958
1959	---	---	2.85	2.34	0.083	0.126	0.025	0	0	0	---	---	0.875	1959
1960	---	---	0.99	1.85	2.87	0.392	0.012	0	0	0	---	---	1.30	1960
1961	---	---	0.140	0.185	0.046	0.013	0	0	0	0	---	---	0.045	1961
1962	---	---	0.351	0.710	0.031	5.86	0.108	0.077	0.002	0	---	---	0.889	1962
1963	---	---	0.290	0.690	0.018	0	1.72	0.095	0	0	---	---	0.354	1963
1964	---	---	0	0.853	0.838	0.295	0.002	0	0	0	---	---	0.202	1964
1965	---	---	0	12.7	2.10	8.32	2.46	0.089	0.350	0.095	---	---	3.22	1965
1966	---	---	8.91	3.81	0.324	0.107	0.073	0.006	0.039	0.039	---	---	1.63	1966
1967	---	---	0.310	12.5	14.2	0.756	0.073	0.015	0	0	---	---	3.45	1967
1968	---	---	0.068	0.946	0.103	0.103	0.002	0	0	0	---	---	0.125	1968
1969	---	---	0	7.80	0.140	0.095	0.078	0	0	0	---	---	0.980	1969
1970	---	---	0	3.33	3.60	0.248	0.131	0	0	0	---	---	0.762	1970
1971	---	---	0.095	3.83	0.704	0.206	0	0.011	0.043	0	---	---	0.616	1971
1972	---	---	3.85	0.506	0.127	0.674	0.115	0.030	0	0	---	---	0.662	1972
1973	---	---	0.178	0.064	0.119	0.060	0.001	0	0	0	---	---	0.050	1973
1974	---	---	0.440	2.06	2.22	0.532	0.027	0.201	0	0	---	---	0.585	1974
1975	---	---	0	4.31	0.30	3.10	0.204	0.060	0.003	0	---	---	1.03	1975
1976	---	---	0.75	2.31	0.187	0.012	0.070	0	0.001	0	---	---	1.06	1976
1977	---	---	0.014	0.078	0.233	0.012	0	0	0	0	---	---	0.042	1977
1978	---	---	0	7.13	1.16	0.191	0.007	0	0.132	0.003	---	---	1.06	1978
1979	---	---	5.40	0.30	1.42	0.180	0.011	0.033	0	0.001	---	---	1.46	1979
1980	---	---	0.005	0.023	0.102	0.048	0	0	0	0	---	---	0.034	1980
1981	---	---	0.020	0.004	0.053	0.040	0.028	0.001	0	0	---	---	0.019	1981
1982	---	---	0	5.26	1.18	2.11	0.058	0	0	0	---	---	1.00	1982
1983	---	---	0.130	0.146	0.015	0.338	0.177	0.001	0.121	0.008	---	---	0.117	1983
1984	---	---	0	0.129	0.100	0	0	0	0	0	---	---	0.028	1984
1985	---	---	0.232	1.58	1.91	0.302	0.160	0	0	0.003	---	---	0.471	1985
1986	---	0.569	8.23	0.334	1.24	0.095	0.071	0.003	10.2	1.48	---	---	3.55	1986
MEAN	---	0.372	1.32	5.11	1.83	0.872	0.365	0.022	0.972	0.050	---	---	1.20	MEAN

LOCATION - LAT 49 00 18 0
LONG 109 43 02 W
DRAINAGE AREA 3 140 km^2
REGULATED
INTERNATIONAL GAUGING STATION

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	153 ON APR 19	140 ON APR 14	00 ON MAR 1 *	147 000	1952
1953	98.2 AT 08:00 MST ON JUN 4	93.7 ON JUN 4	00 ON MAR 1	27 200	1953
1954	17.8 AT 20:00 MST ON APR 6	10.4 ON APR 6	0 ON MAR 1	7 620	1954
1955	84.6 AT 18:30 MST ON APR 19	83.1 ON APR 19	0 ON AUG 27	75 400	1955
1956	16.3 AT 05:30 MST ON JUL 4	11.8 ON JUL 4	00 ON MAR 1	15 700	1956
1957	22.5 B AT 17:00 MST ON APR 5	17.7 B ON APR 5	00 ON MAR 1	24 500	1957
1958	77.0 B AT 23:00 MST ON APR 5	66.5 B ON APR 5	0 ON JUN 27	42 100	1958
1959	20.0 B AT 21:10 MST ON MAR 20	17.0 B ON MAR 20	00 ON MAR 1	14 300	1959
1960	28.3 AT 01:00 MST ON MAR 24	26.0 ON MAR 23	00 ON MAR 1	29 500	1960
1961	3.79 AT 07:30 MST ON APR 25	2.32 ON APR 25	00 ON MAR 1	1 030	1961
1962	220 AT 10:00 MST ON JUN 14	139 ON JUN 14	0 ON MAR 1	18 800	1962
1963	8.24 AT 02:00 MST ON JUL 9	5.56 ON JUL 7	00 ON MAR 1	7 500	1963
1964	2.83 AT 13:00 MST ON MAY 15	2.21 ON MAY 3	0 ON MAR 1	5 130	1964
1965	83.2 AT 04:00 MST ON JUN 27	74.2 ON JUN 27	00 ON MAR 1	68 100	1965
1966	55.2 AT 19:30 MST ON MAR 30	50.1 ON MAR 30	00 ON MAR 1	30 200	1966
1967	80.8 AT 10:00 MST ON APR 26	53.5 ON MAY 8	0 ON JUL 21	73 200	1967
1968	1.81 AT 09:00 MST ON APR 16	1.73 ON APR 26	0 ON MAR 1	2 850	1968
1969	54.9 AT 17:30 MST ON APR 7	46.4 ON APR 8	00 ON MAR 1	20 800	1969
1970	16.9 AT 20:00 MST ON APR 12	9.97 ON APR 12	0 ON MAR 1	16 100	1970
1971	13.0 AT 21:00 CST ON APR 17	11.6 ON APR 17	0 ON MAR 1	13 100	1971
1972	60.5 B AT 08:30 MST ON MAR 19	30.6 B ON MAR 19	0 ON MAR 1	13 600	1972
1973	0.8788 AT 00:00 MST ON MAR 13	0.5950 ON MAR 13	0 ON MAR 1	1 060	1973
1974	11.0 AT 05:00 CST ON MAY 22	7.93 ON MAY 22	0 ON JUL 16	14 500	1974
1975	35.4 AT 08:54 CST ON MAY 8	31.7 ON MAY 8	00 ON MAR 1	34 500	1975
1976	26.0 B AT 18:00 CST ON MAR 20	23.1 B ON MAR 21	0 ON AUG 1	22 300	1976
1977	1.06 AT 04:30 CST ON MAY 17	0.906 ON MAY 17	0 ON MAR 1	890	1977
1978	33.4 AT 20:40 CST ON APR 5	30.3 ON APR 5	00 ON MAR 1	22 400	1978
1979	28.5 B AT 21:00 CST ON MAR 19	24.7 B ON MAR 19	00 ON MAR 1	30 500	1979
1980	0.502 AT 06:00 CST ON MAY 15	0.445 ON MAY 15	0 ON MAR 1	713	1980
1981	0.525 AT 23:30 CST ON JUN 1	0.461 ON JUN 1	0 ON APR 21	407	1981
1982	32.5 AT 10:30 CST ON APR 25	31.1 ON APR 25	00 ON MAR 1	22 400	1982
1983	1.53 AT 19:00 CST ON JUN 3	1.52 ON JUN 3	0 ON MAR 1	2 480	1983
1984	0.707 AT 12:00 CST ON APR 15	0.703 ON APR 15	0 ON MAR 1	601	1984
1985	8.84 AT 01:00 CST ON JUL 19	7.15 ON JUL 19	0 ON MAR 1	9 960	1985
1986	280 AT 19:00 CST ON SEP 20 *	220 ON SEP 20 *	0 ON JUL 16	75 100	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		25 500	MEAN

LODGE CREEK BELOW SPANGLER PROJECT - STATION NO. 11AB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	0	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.009	0.302	0	2.01	0.015	0.112	0	0	---	---	---	1962
1963	---	---	0.279	0.499	0	0	1.26	0.014	0	0	---	---	---	1963
1964	---	---	0	1.00	0.576	0.302	0	0	0	0	---	---	---	1964
1965	---	---	0	5.70	1.48	5.98	1.55	0.087	0.311	0.062	---	---	---	1965
1966	---	---	0.50	3.22	0.168	0.032	0.092	0.006	0.066	0	---	---	---	1966
MEAN	---	---	0.080	2.32	0.369	1.37	0.418	0.033	0.057	0.009	---	---	---	MEAN

LOCATION - LAT 49 05 50 N
LONG 109 50 00 W

DRAINAGE AREA 1 080 km^2
REGULATED

LODGE CREEK BELOW SPANGLER PROJECT - STATION NO. 11AB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	0 ON JUL 1 *	---	1960
1961	0 AT 00:00 MST ON MAR 1	---	---	---	1961
1962	51.2 AT 03:00 MST ON JUN 14 *	---	---	---	1962
1963	4.11 AT 24:00 MST ON JUL 30	---	---	---	1963
1964	2.03 AT 07:00 MST ON MAY 3	---	---	---	1964
1965	65.1 AT 23:00 MST ON JUN 26	---	---	---	1965
1966	---	---	---	---	1966
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO 11AB082

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	0	9.34	3.97	0.832	0.031	2.25	0.411	0.176	---	---	2.08	1951
1952	---	---	0	36.3	1.40	0.032	0.019	0	0	0	---	---	4.63	1952
1953	---	---	0.086	2.51	3.44	4.43	0.027	0	0	0	---	---	1.30	1953
1954	---	---	0	1.88	0.327	0.200	0.049	0.032	0.011	0.005	---	---	0.283	1954
1955	---	---	0.320	10.7	4.88	0.343	4.37	0.015	0.230	0	---	---	2.57	1955
1956	---	---	0.181	2.85	0.852	0.031	0.613	0.452	0.012	0.127	---	---	0.607	1956
1957	---	---	0.186	6.12	1.03	0.040	0.252	0.310	0.012	0.133	---	---	0.993	1957
1958	---	---	0.430	10.8	0.126	0.005	0.079	0.348	0.002	0	---	---	1.43	1958
1959	---	---	1.97	2.03	0.030	0.004	0.006	0	0	0	---	---	0.503	1959
1960	---	---	4.98	0.920	1.12	0.040	0	0	0	0	---	---	0.889	1960
1961	---	---	0.410	0.003	0.101	0.069	0.149	0	0	0	---	---	0.092	1961
1962	---	---	1.02	0.484	0	0.456	0.189	0	0	0	---	---	0.288	1962
1963	---	---	1.01	0.496	0.002	0.190	2.27	0	0	0	---	---	0.500	1963
1964	---	---	0.235	1.44	1.11	0.003	0	0	0	0	---	---	0.347	1964
1965	---	---	0	11.9	1.51	5.09	1.07	0.005	0.117	0.021	---	---	2.43	1965
1966	---	---	5.03	2.15	0.381	0.265	0.040	0	0	0	---	---	0.987	1966
1967	---	---	0.028	9.14	10.0	0.752	0.102	0.095	0.001	0.002	---	---	2.51	1967
1968	---	---	0.508	0.244	0.251	0.052	0	0	0	0	---	---	0.132	1968
1969	---	---	0	6.89	0.182	0	0	0	0	0	---	---	0.867	1969
1970	---	---	0	4.06	2.04	0.678	0.153	0	0	0	---	---	0.857	1970
1971	---	---	0	5.13	0.501	0.288	0	0	0	0	---	---	0.726	1971
1972	---	---	4.32	0.256	0.013	0.179	0.005	0	0	0	---	---	0.603	1972
1973	---	---	0.179	0.220	0.168	0.203	0	0	0	0	---	---	0.096	1973
1974	---	---	0.018	3.48	1.40	0.237	0.002	0	0	0	---	---	0.635	1974
1975	---	---	0	4.03	4.25	2.48	0.057	0.003	0.001	0	---	---	1.34	1975
1976	---	0.267	4.70	2.01	0.057	0.197	0.020	0	0	0	---	---	0.874	1976
1977	---	---	0.003	0.071	0.002	0	0	0	0	0	---	---	0.009	1977
1978	---	---	0.083	5.75	0.908	0.033	0.380	0	0.083	0.001	---	---	0.891	1978
1979	---	---	3.65	3.93	1.19	0.044	0.002	0	0	0	---	---	1.10	1979
1980	---	---	0	0.285	0.002	0.001	0	0	0	0	---	---	0.033	1980
1981	---	---	0.084	0.001	0.079	0.072	0	0	0	0	---	---	0.021	1981
1982	---	---	0	5.57	1.55	2.00	0.005	0	0	0	---	---	1.12	1982
1983	---	---	0.257	0.091	0.755	0.006	0.300	0.005	0	0	---	---	0.179	1983
1984	---	---	0.017	0.258	0.008	0	0	0	0	0	---	---	0.035	1984
1985	---	---	0.833	3.24	1.23	0.086	0	0	0.059	0.007	---	---	0.677	1985
1986	---	3.36	3.93	0.233	1.19	0.100	0.001	0	9.38	0.782	---	---	1.93	1986
MEAN	---	1.81	0.956	4.29	1.27	0.534	0.283	0.098	0.287	0.034	---	---	0.960	MEAN

LOCATION - LAT 49 12 10 N DRAINAGE AREA 909 km²
LONG 109 59 05 W NATURAL FLOW

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO 11AB082

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	---	45.0 ON AUG 30	0.8 ON MAR 1 *	44 100	1951
1952	137 AT 10 00 MST ON APR 16	110 ON APR 16	0.8 ON MAR 1	98 000	1952
1953	73.1 AT 16 00 MST ON JUN 3	43.3 ON JUN 3	0.8 ON MAR 1	27 500	1953
1954	---	5.86 B ON APR 7	0.8 ON MAR 1	5 990	1954
1955	84.6 AT 12 00 MST ON JUL 13	45.3 ON JUL 13	0.8 ON MAR 1	54 400	1955
1956	9.17 AT 01 00 MST ON APR 11	6.80 ON APR 11	0.8 ON MAR 1	12 800	1956
1957	19.3 B AT 02 00 MST ON APR 5	15.5 B ON APR 5	0.8 ON MAR 1	21 100	1957
1958	75.6 AT 09 00 MST ON APR 5	68.2 ON APR 5	0 ON JUN 4	30 200	1958
1959	15.3 B AT 02 00 MST ON MAR 28	11.8 B ON MAR 27	0.8 ON MAR 1	10 800	1959
1960	21.5 B AT 01 00 MST ON MAR 23	17.2 B ON MAR 23	0.8 ON MAR 1	18 800	1960
1961	4.67 AT 07 30 MST ON MAR 18	2.49 ON MAR 18	0.8 ON MAR 1	1 850	1961
1962	21.1 AT 08 00 MST ON JUN 14	10.4 ON JUN 14	0.8 ON MAR 1	5 670	1962
1963	33.7 AT 10 30 MST ON JUL 5	26.8 ON JUL 5	0 ON MAY 13	10 500	1963
1964	9.17 AT 15 00 MST ON MAY 9	7.65 ON MAY 8	0 ON MAR 1	7 350	1964
1965	67.4 AT 01 00 MST ON JUN 26	56.6 B ON APR 15	0.8 ON MAR 1	51 400	1965
1966	43.0 AT 01 00 MST ON MAR 30	34.8 ON MAR 29	0.8 ON MAR 1	20 900	1966
1967	47.0 AT 01 00 MST ON MAY 8	36.2 ON MAY 7	0.8 ON MAR 1	53 200	1967
1968	3.20 AT 07 30 MST ON MAR 8	2.13 ON MAR 8	0 ON JUL 1	2 800	1968
1969	44.2 AT 00 40 MST ON APR 7	41.6 ON APR 7	0 ON MAR 1	18 400	1969
1970	22.6 AT 05 00 MST ON APR 8	15.4 ON APR 8	0 ON MAR 1	18 100	1970
1971	20.9 AT 04 04 CST ON APR 10	16.2 B ON APR 9	0.8 ON MAR 1	15 400	1971
1972	37.7 B AT 09 15 CST ON MAR 17	34.5 B ON MAR 17	0.8 ON MAR 1	12 800	1972
1973	2.86 AT 19 10 CST ON JUN 19	2.01 ON JUN 20	0.8 ON MAR 1	2 030	1973
1974	11.1 AT 05 25 CST ON MAY 23	7.96 ON APR 8	0.8 ON MAR 1	13 400	1974
1975	31.7 AT 06 27 CST ON JUN 21	25.5 ON MAY 7	0.8 ON MAR 1	28 400	1975
1976	43.0 B AT 03 44 CST ON MAR 19	32.3 B ON MAR 19	0 ON JUL 21	18 500	1976
1977	1.76 AT 20 12 CST ON APR 7	0.821 ON APR 8	0 ON APR 19	194	1977
1978	35.7 AT 13 18 CST ON JUL 6	17.1 ON APR 6	0.8 ON MAR 1	18 800	1978
1979	14.0 AT 20 48 CST ON APR 19	13.6 ON APR 19	0.8 ON MAR 1	23 300	1979
1980	1.36 B AT 12 51 CST ON APR 8	0.9658 ON APR 8	0.8 ON MAR 1	894	1980
1981	2.86 AT 17 19 CST ON JUN 16	0.933 ON JUN 17	0 ON APR 17	657	1981
1982	36.3 AT 16 54 CST ON APR 24	33.8 ON APR 24	0.8 ON MAR 1	23 700	1982
1983	5.70 AT 06 49 CST ON JUL 22	3.20 ON JUL 22	0.8 ON MAR 1	3 780	1983
1984	0.965 AT 21 18 CST ON APR 9	0.710 ON APR 8	0.8 ON MAR 1	733	1984
1985	9.95 AT 00 26 CST ON APR 6	9.37 ON APR 7	0.8 ON MAR 1	14 300	1985
1986	177 AT 00 37 CST ON SEP 26 *	119 ON SEP 26 *	0 ON JUL 8	40 900	1986
				20 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOISELLE CREEK NEAR HUDSON BAY - STATION NO 05LB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.840	0.829	---	---	---	---	---	---	---	---	1956
1957	---	---	---	5.27	0.091	---	---	---	---	---	---	---	---	1957
1958	---	---	0.035	0.291	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.171	0.812	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	3.61	0.023	---	---	---	---	---	---	---	---	1960
1961	---	---	---	0.146	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	2.84	0.033	---	---	---	---	---	---	---	---	1962
1963	---	---	0.010	0.406	---	---	---	---	---	---	---	---	---	1963
1964	---	---	0	0.133	0.081	0	0	0	0	0	---	---	0.026	1964
1965	---	---	0	0.506	0.027	0.156	0.080	0.122	0.022	0.014	---	---	0.114	1965
1966	---	---	0.001	2.16	0.084	0.157	1.13	0.010	0.047	0.005	---	---	0.446	1966
1967	---	---	0	0.261	2.17	0.016	0.001	0	0	0	---	---	0.308	1967
1968	---	---	0.213	0.181	0.002	0.007	0.002	0.001	0	0.001	---	---	0.048	1968
1969	---	---	0	1.09	0.001	0	0.003	0	0	0.004	---	---	0.134	1969
1970	---	---	0	0.633	0.431	0.001	0.104	0	0	0.012	---	---	0.147	1970
1971	---	---	0	2.23	0.012	0	0	0	0	0	---	---	0.274	1971
1972	---	---	0	2.50	0.102	0	0	0	0	0	---	---	0.320	1972
1973	---	---	0.008	0.320	0.013	0.075	0.019	0	0	0	---	---	0.053	1973
1974	---	---	0	1.62	0.710	0.212	0.001	0	0	0	---	---	0.314	1974
1975	---	---	0	0.857	0.087	0	0	0	0.087	0.001	---	---	0.137	1975
1976	---	---	0	0.592	0.039	0.600	0.047	0	0	0	---	---	0.189	1976
1977	---	---	0	0.148	0	0	0	0	0	0	---	---	0.018	1977
1978	---	---	0.006	1.85	0.032	0.002	0.001	0	0.001	0	---	---	0.233	1978
1979	---	---	0	2.13	0.418	0.180	0	0	0	0	---	---	0.336	1979
1980	---	---	0	0.277	0.001	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.055	0.070	0.001	0.002	0	0	0	0	---	---	0.018	1981
1982	---	---	0	0.218	0.006	0.005	0	0	0	0	---	---	0.028	1982
1983	---	---	0	1.02	0.304	0.032	0.153	0	0	0	---	---	0.186	1983
1984	---	---	0	0.909	0.571	0.223	0	0	0	0	---	---	0.211	1984
1985	---	---	0	1.29	0.011	0	0	0	0	0	---	---	0.159	1985
1986	---	---	0.025	1.15	0.062	0	0	0	0	0	---	---	0.152	1986
MEAN	---	---	0.020	1.21	0.227	0.073	0.087	0.006	0.007	0.002	---	---	0.188	MEAN

LOCATION - LAT 52 47 51 N DRAINAGE AREA 181 km²
LONG 102 22 16 W NATURAL FLOW

LOISELLE CREEK NEAR HUDSON BAY - STATION NO 05LB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	0 ON MAR 1 *	---	1958
1959	---	---	0 ON MAR 1	---	1959
1960	---	---	0E ON APR 1	---	1960
1961	---	---	0 ON APR 1	---	1961
1962	---	---	0E ON APR 1	---	1962
1963	---	---	0 ON MAR 1	---	1963
1964	---	0.589 ON MAY 12	0 ON MAR 1	560	1964
1965	---	2.36 ON APR 16	0E ON MAR 1	2 420	1965
1966	---	10.7 ON APR 13	0E ON MAR 1	9 440	1966
1967	---	9.03 ON MAY 2	0E ON MAR 1	8 530	1967
1968	---	1.63 E ON MAR 29	0E ON MAR 1	1 020	1968
1969	---	6.94 E ON APR 12	0E ON MAR 1	2 840	1969
1970	---	3.28 ON MAY 6	0E ON MAR 1	3 100	1970
1971	---	7.99 E ON APR 13	0E ON MAR 1	5 810	1971
1972	18.2 AT 02 43 CST ON APR 24	16.3 ON APR 24 *	0E ON MAR 1	8 780	1972
1973	---	1.19 ON APR 4	0E ON MAR 1	1 130	1973
1974	---	15.5 ON APR 21	0E ON MAR 1	5 640	1974
1975	8.30 AT 09 35 CST ON APR 22	7.82 ON APR 22	0E ON MAR 1	2 890	1975
1976	---	2.55 ON APR 8	0E ON MAR 1	3 570	1976
1977	---	1.11 ON APR 13	0E ON MAR 1	384	1977
1978	---	8.75 ON APR 19	0E ON MAR 1	4 830	1978
1979	16.5 AT 23 50 CST ON APR 21 *	16.1 ON APR 22	0E ON MAR 1	7 110	1979
1980	0.962 AT 06 50 CST ON APR 5	0.774 ON APR 6	0E ON MAR 1	721	1980
1981	0.282 AT 16 46 CST ON MAR 18	0.245 ON APR 8	0E ON MAR 1	337	1981
1982	1.16 AT 20 35 CST ON APR 16	1.10 ON APR 16	0E ON MAR 1	586	1982
1983	8.44 AT 11 30 CST ON APR 22	7.82 ON APR 22	0E ON MAR 1	3 950	1983
1984	4.30 AT 17 15 CST ON APR 3	3.63 ON APR 4	0E ON MAR 1	4 470	1984
1985	8.09 AT 02 12 CST ON APR 11	6.72 ON APR 11	0E ON MAR 1	3 370	1985
1986	5.82 E AT 23 42 CST ON APR 6	4.98 ON APR 7	0E ON MAR 1	3 210	1986
				3 580	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONEPINE CREEK AT HEWITT'S RANCH - STATION NO. 11ACO07

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.025	0.022	0.028	---	---	---	1909
1910	---	---	---	0.046	0.034	0.021	0.012	0.017	0.025	0.035	---	---	0.022	1910
1911	---	---	---	---	0.087	0.048	0.026	0.030	0.047	0.057	---	---	0.051	1911
1912	---	---	---	---	0.078	0.046	0.045	0.044	0.024	0.030	---	---	0.045	1912
1913	---	---	---	---	0.056	0.038	0.030	0.018	0.018	0.027	---	---	0.030	1913
1914	---	---	---	---	0.034	0.015	0.012	0.012	0.020	0.025	---	---	0.020	1914
MEAN	---	---	---	0.046	0.080	0.032	0.025	0.024	0.026	0.032	---	---	0.036	MEAN

LOCATION - LAT 49 35 18 N DRAINAGE AREA 0.58 km²
LONG 109 27 38 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1911, 1913-14.

LONEPINE CREEK AT HEWITT'S RANCH - STATION NO. 11ACO07

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	0.079 ON MAY 15	0.007 ON MAY 25	356	1910
1911	---	0.227 ON JUN 25 *	0.005 ON JUN 17 *	812	1911
1912	---	0.130 ON JUL 9	0.015 ON JUL 4	708	1912
1913	---	0.093 ON MAY 15	0.007E ON SEP 5	474	1913
1914	---	0.051 ON SEP 13	0.009E ON AUG 1	312	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		533	MEAN

E - ESTIMATED

LONG CREEK AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NB013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	1.22	0.099	0	0.628	0.561	0	0	0.346	0.013	0	0.242	1959
MEAN	0	0	1.22	0.099	0	0.628	0.561	0	0	0.346	0.013	0	0.242	MEAN

LOCATION - LAT 49 01 05 N DRAINAGE AREA 4 510 km² INTERNATIONAL GAUGING STATION
LONG 103 03 37 W REGULATED

LONG CREEK AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NB013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	10.0 ON JUN 30 *	0 ON JAN 1 *	7 630	1959
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 630	MEAN

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO 05NA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0.284	0.019	0	0.863	0.256	0	0	0	0	0	0.118	1959
1960	0	0	5.88	4.88	0.148	0.229	0.038	0	0	0	0	0	1.00	1960
1961	0	0	0.041	0	0	0	0	0	0	0	0	0	0.003	1961
1962	0	0	0.290	1.05	0.005	0.002	0	0	0	0	0	0	0.111	1962
1963	0	0	0.366	0.164	0.003	3.29	0.137	0.945	0.285	0.018	0.005	0.001	0.432	1963
1964	0	0	0	3.69	0.262	0.233	0.058	0	0	0	0	0	0.349	1964
1965	0	0	0	5.42	8.01	4.44	1.46	0.255	0.205	0.188	0.053	0.019	1.88	1965
1966	0	0	3.86	0.943	0.422	0.039	0.032	0	0	0	0	0	0.447	1966
1967	0	0	1.20	3.49	3.57	0.232	0	0	0	0	0	0	0.712	1967
1968	0	0	0.013	0.001	0	0	0	0.011	0.367	0.003	0.003	0	0.033	1968
1969	0	0	0	26.4	1.23	0.064	0.697	0.204	0.010	0	0	0	2.35	1969
1970	0	0	0.317	4.43	16.4	1.07	0.086	0	0	0	0	0	1.88	1970
1971	0	0.001	0.330	4.33	0.182	0.022	5.31	0.311	0	0.016	0.001	0	0.879	1971
1972	0	0	10.5	1.48	0.953	4.91	0.311	0.087	0	0	0.005	0.001	1.53	1972
1973	0	0	0.087	0.120	0.154	0.085	0	0	0	0	0	0	0.038	1973
1974	0	0	0.454	20.5	1.74	0.564	0.470	0.002	0	0	0	0	1.96	1974
1975	0	0	0.014	17.6	7.80	0.835	0.028	0	0.036	0.043	0.032	0.022	2.20	1975
1976	0.004	0	11.2	27.7	0.885	10.2	1.28	0.088	0.003	0	0	0	4.25	1976
1977	0	0.001	0.065	0.103	0.362	0.046	0	0	0	0	0	0	0.049	1977
1978	0	0	5.35	4.90	0.464	0.253	11.7	0.748	1.74	0.712	0.118	0.023	2.19	1978
1979	0	0	0.666	29.8	11.4	0.762	0.080	0.005	0	0	0	0	3.55	1979
1980	0	0	0.260	0.679	0.025	0	0	0	0	0	0	0	0.080	1980
1981	0	0.750	0.060	0	0	0	0	0	0	0	0	0	0.063	1981
1982	0	0	0	17.2	1.30	0.107	0.032	0.002	0	0	0	0	1.54	1982
1983	0	0	0.829	12.3	1.08	0.184	0.109	0.013	0	0	0	0	1.21	1983
1984	0	0	0.035	0.036	0.006	0	0	0	0	0	0	0	0.006	1984
1985	0	0	1.00	0.040	0	0	0	0	0	0	0	0	0.089	1985
1986	0	0.139	1.41	0.090	0.560	0.018	0.114	0.287	0.001	0.001	0.002	0.006	0.222	1986
MEAN	0	0.032	1.62	5.69	2.03	1.02	0.793	0.106	0.095	0.035	0.008	0.003	1.03	MEAN

LOCATION - LAT 49 00 01 N DRAINAGE AREA, 3 210 km² INTERNATIONAL GAUGING STATION
LONG 103 21 08 W REGULATED

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO 05NA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	11.3 E ON JUN 30	0B ON JAN 1 *	3 740	1959
1960	---	37.7 B ON MAR 27	0 ON JAN 1	31 700	1960
1961	---	0.278 ON MAR 17	0 ON JAN 1	109	1961
1962	---	3.96 A ON APR 5	0 ON JAN 1	3 520	1962
1963	19.8 AT 15:00 CST ON JUN 8	19.3 ON JUN 8	0 ON JAN 1	13 600	1963
1964	15.7 B AT 14:00 CST ON APR 4	13.5 B ON APR 4	0 ON JAN 1	11 000	1964
1965	23.1 AT 16:00 CST ON APR 18	22.6 ON APR 18	0 ON JAN 1	52 800	1965
1966	---	20.7 B ON MAR 16	0B ON JAN 1	14 100	1966
1967	13.6 AT 17:00 CST ON MAY 8	13.3 ON MAY 8	0 ON JAN 1	22 400	1967
1968	1.68 AT 12:00 CST ON SEP 4	1.44 ON SEP 4	0B ON JAN 1	1 030	1968
1969	112 B AT 04:36 CST ON APR 10	99.7 B ON APR 10	0B ON JAN 1	74 300	1969
1970	93.1 AT 18:58 CST ON MAY 7	49.6 ON MAY 7	0B ON JAN 1	59 100	1970
1971	24.2 B AT 09:06 CST ON APR 9	18.4 B ON APR 9	0B ON JAN 1	27 700	1971
1972	54.9 AT 15:42 CST ON JUN 10	46.7 ON JUN 10	0B ON JAN 1	48 300	1972
1973	0.286 AT 07:33 CST ON MAY 2	0.261 ON MAY 1	0B ON JAN 1	1 210	1973
1974	46.7 AT 14:14 CST ON APR 19	46.2 ON APR 19	0B ON JAN 1	51 800	1974
1975	66.0 AT 12:04 CST ON APR 26	66.3 ON APR 26	0B ON JAN 1	59 200	1975
1976	133 AT 02:23 CST ON APR 1 *	123 ON APR 1 *	0B ON JAN 17	134 000	1976
1977	3.10 AT 08:47 CST ON MAY 22	1.95 ON MAY 22	0B ON JAN 1	1 530	1977
1978	85.4 AT 06:49 CST ON JUL 14	63.7 ON JUL 14	0B ON JAN 1	59 100	1978
1979	125 AT 11:20 CST ON APR 22	118 ON APR 22	0B ON JAN 1	112 000	1979
1980	2.40 B AT 11:32 CST ON APR 3	1.64 ON APR 15	0B ON JAN 1	2 520	1980
1981	3.94 B AT 09:28 CST ON FEB 19	2.88 ON FEB 20	0 ON JAN 1	1 980	1981
1982	77.2 B AT 01:00 CST ON APR 15	67.8 B ON APR 14	0B ON JAN 1	48 400	1982
1983	25.6 AT 00:46 CST ON APR 17	24.3 ON APR 16	0B ON JAN 1	36 100	1983
1984	0.335 AT 11:30 CST ON MAR 29	0.325 ON MAR 28	0B ON JAN 1	202	1984
1985	3.69 B AT 13:04 CST ON MAR 14	3.41 B ON MAR 13	0B ON JAN 1	2 790	1985
1986	6.46 B AT 03:30 CST ON MAR 1	3.94 B ON MAR 1	0B ON JAN 1	6 990	1986
				32 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR CROSBY - STATION NO. 05NB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	---	---	0.120	0	0	0	0	---	1944
1945	0	0	0.051	0.049	0.001	0	0	0.010	0	0	0	0	0.010	1945
1946	0	0	3.27	0.556	0.029	0.001	0.142	0	0	0	0	0	0.338	1946
1947	0	0	3.05	10.7	0.530	0.430	0.177	0.242	0.227	0.149	0.085	0.028	1.29	1947
1948	0.014	0	0	33.2	3.40	0.178	0.239	0.003	0	0	0.001	0.001	3.05	1948
1949	0	0	0.230	3.66	0.180	0.086	0	0	0	0	0	0	0.341	1949
1950	0	0	0.020	8.70	0.807	1.05	0.171	0.024	0	0	0	0	0.889	1950
1951	0	0	0	14.8	4.95	0.218	0.010	0	0.084	0	0	0	1.86	1951
1952	0	0	0.338	5.39	0.102	0	0	0	0	0	0	0	0.479	1952
1953	0	0	0.324	0.114	0.543	8.45	3.89	0.184	0.015	0	0	0	1.11	1953
1954	0	0.526	0.786	0.207	0.255	0.335	0.080	0.010	0.004	0.001	0.010	0.032	0.143	1954
1955	0.015	0	1.43	8.54	4.92	0.455	0.031	0.009	0	0	0	0	1.28	1955
1956	0	0	0.846	3.52	0.438	0.033	0.001	0	0	0	0	0	0.408	1956
1957	0	0.001	0.125	0.005	0	0	0	0	0	0	0	0	0.011	1957
1958	0	0	0.984	3.18	0.019	0	0	0	0	0	0	0	0.345	1958
1959	0	0	0.386	0.003	0	0.889	0.380	0	0	0	0	0	0.137	1959
1960	0	0	7.35	5.71	0.174	0.159	0.036	0	0	0	0	0	1.12	1960
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	1961
1962	0	0	0.234	1.14	0.002	0	0	0	0	0	0	0	0.113	1962
1963	0	0	0.307	0.158	0.003	3.92	0.227	1.03	0.302	0.005	0	0	0.493	1963
1964	0	0	0	4.13	0.430	0.226	0.091	0	0	0	0	0	0.401	1964
1965	0	0	0	5.24	8.64	5.09	1.84	0.192	0.180	---	---	---	---	1965
MEAN	0.001	0.025	0.821	5.19	1.21	1.02	0.329	0.083	0.035	0.007	0.005	0.003	0.881	MEAN

LOCATION - LAT 48 58 30 N DRAINAGE AREA 3 370 km²
LONG 103 16 04 W REGULATED

LONG CREEK NEAR CROSBY - STATION NO. 05NB026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	---	---	1944
1945	---	0.218 ON APR 17	0 ON JAN 1 *	320	1945
1946	---	19.2 ON MAR 13	0 ON JAN 1	10 700	1946
1947	---	26.5 ON APR 11	0 ON JAN 1	40 800	1947
1948	---	170 ON APR 23 *	0E ON FEB 1	96 400	1948
1949	---	13.6 B ON APR 3	0E ON JAN 1	10 800	1949
1950	---	29.2 B ON APR 15	0 ON JAN 1	28 100	1950
1951	---	32.6 B ON APR 18	0 ON JAN 1	52 400	1951
1952	---	13.6 B ON APR 2	0 ON JAN 1	15 200	1952
1953	---	25.0 ON JUN 10	0 ON JAN 1	34 900	1953
1954	---	3.20 B ON FEB 25	0 ON JAN 1	4 520	1954
1955	24.1 AT 17:00 CST ON APR 6	23.1 ON APR 6	0E ON JAN 28	40 500	1955
1956	8.50B AT 07:00 CST ON APR 11	7.85 B ON APR 6	0 ON JAN 1	12 900	1956
1957	---	0.708 ON MAR 23	0 ON JAN 1	351	1957
1958	27.8 AT 11:00 CST ON MAR 31	24.5 ON MAR 31	0 ON JAN 1	10 900	1958
1959	16.7 AT 23:30 CST ON JUN 29	12.2 ON JUN 30	0E ON JAN 1	4 330	1959
1960	46.7 B AT 18:00 CST ON MAR 27 *	39.6 B ON MAR 27	0 ON JAN 1	35 500	1960
1961	---	0 ON JAN 1	0 ON JAN 1	0	1961
1962	---	4.53 ON APR 5	0 ON JAN 1	3 570	1962
1963	---	20.3 ON JUN 8	0 ON JAN 1	15 600	1963
1964	---	14.4 B ON APR 4	0 ON JAN 1	12 700	1964
1965	23.0 AT 17:00 CST ON MAY 27	22.0 ON MAY 27	0 ON JAN 1	---	1965
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		21 500	MEAN

LONG CREEK NEAR ESTEVAN - STATION NO. 05NB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.047	0.021	0.017	0.697	---	---	---	1911
1912	---	---	---	---	5.62	---	---	0.113	0.081	0.122	---	---	---	1912
1913	---	---	---	2.20	0.298	0.189	0.298	0.042	0.076	0.086	---	---	---	1913
1914	---	---	---	---	0.897	2.38	0.315	0.043	0.133	0.062	0.030	0.026	---	1914
1915	0.031	0.029	0.046	0.089	0.036	0.020	0.028	0.011	0.008	0.014	0.027	0.021	0.030	1915
1916	0.011	0.011	0.011	18.9	2.33	0.454	0.281	0.124	0.037	0.080	0.081	0.048	1.84	1916
1917	0.015	0.009	0.113	3.50	2.67	0.205	0.054	0.011	0.013	0.038	0.041	0.018	0.558	1917
1918	0.041	0.030	0.388	1.87	0.788	0.121	0.016	0.151	0.033	0.014	0.013	0.015	0.273	1918
1919	0.024	0.041	0.031	5.60	0.507	0.044	0.089	0.008	0.005	0.021	0.022	0	0.609	1919
1920	0	0	0.006	14.0	2.41	0.307	0.049	0.005	0.002	0.004	0.005	0.004	1.38	1920
1921	0	0	0.333	0.394	0.107	1.46	1.82	0.149	0.051	0.031	0.022	0.016	0.388	1921
1922	0.001	0	0.565	5.34	2.21	0.386	0.318	0.037	0.027	0.036	0.037	0.027	0.747	1922
1923	0.024	0.007	0.261	10.9	1.02	---	---	---	---	---	---	---	---	1923
1933	---	---	---	0.452	2.13	2.51	0.158	0.028	0.056	---	---	---	---	1933
1934	---	---	---	0.252	0.055	0.035	0	---	---	---	---	---	---	1934
1935	---	---	---	0.382	0.048	0.032	0.020	0.010	0.033	0.023	---	---	---	1935
1936	---	---	---	6.48	0.430	0.041	0.014	0.006	0.004	0.007	---	---	---	1936
1937	---	---	---	---	0.055	0.009	0.082	0.012	0.013	---	---	---	---	1937
1938	---	---	---	0.379	0.384	0.051	0.076	0.018	0.015	---	---	---	---	1938
1939	---	---	---	2.80	0.089	0.076	0.026	0.001	0	---	---	---	---	1939
1940	---	---	---	0.057	0.138	0.045	0.039	0.045	0.046	---	---	---	---	1940
1941	---	---	---	4.76	0.642	0.258	0.057	0.046	0.050	---	---	---	---	1941
1942	---	---	---	4.93	0.382	0.297	0.040	0.049	0.031	0.025	---	---	---	1942
1943	---	---	---	22.2	0.692	0.966	0.235	0.030	0.031	---	---	---	---	1943
1944	---	---	---	0.187	0.066	1.65	1.43	0.251	0.060	0.050	---	---	---	1944
1945	---	---	---	0.142	0.064	0.041	0.032	0.022	0.022	0.038	---	---	---	1945
1946	---	---	---	0.873	0.108	0.050	0.168	0.025	0.020	0.030	---	---	---	1946
1947	---	---	---	10.9	0.743	0.562	0.395	0.182	0.275	0.133	---	---	---	1947
1948	---	---	---	---	5.07	0.350	0.232	0.048	0.022	0.050	---	---	---	1948
1949	---	---	---	4.87	0.210	0.167	0.044	0.023	0.011	0.016	---	---	---	1949
1950	---	---	---	11.7	1.29	1.16	0.193	0.034	0.016	0.026	---	---	---	1950
1951	---	---	---	18.9	5.94	0.338	0.066	0.041	0.074	0.081	---	---	---	1951
1952	---	---	---	7.58	0.289	0.066	0.070	0.030	0.031	0.038	0.018	---	---	1952
1953	---	---	---	0.346	0.690	8.81	5.73	0.320	0.053	0.038	0.042	---	---	1953
1954	---	---	---	0.460	0.584	0.618	0.165	0.040	0.043	0.258	0.389	---	---	1954
1955	---	---	---	11.0	5.50	0.675	0.174	0.014	0.017	0.060	---	---	---	1955
1956	---	---	0.780	3.68	0.608	0.059	0.019	0.017	0.004	0.005	0.004	---	---	1956
1957	---	---	0.355	0.329	0.037	0.014	0.030	0.341	0.014	0.011	---	---	---	1957
1959	---	---	0.019	0.011	0.023	0.022	0.024	0.083	0.023	0.026	0.011	0.004	---	1959
1960	0.011	0.014	0.014	0.015	0.009	0.012	0.057	0.047	0.068	0.025	0.021	0.016	0.026	1960
1961	0.005	0.005	0.008	0.006	0.012	0.032	0.069	0.122	0.046	0.013	0.008	0.006	0.028	1961
1962	0.035	0.007	0.008	0.011	0.641	0.009	0.010	0.095	0.022	0.023	0.028	0.026	0.077	1962
1963	0.008	0.028	0.016	0.017	0.009	0.011	0.016	0.068	0.021	0.014	0.012	0.011	0.019	1963
1964	0.020	0.043	0.019	3.04	0.914	0.028	0.201	0.005	0.175	0.030	0.100	0.117	0.388	1964
1965	0.115	0.108	0.101	3.17	8.69	5.47	1.50	0.414	0.002	0.018	0.006	0.045	1.73	1965
1966	0.013	0.076	4.67	1.24	0.249	0.017	0.089	0.108	0.037	0.109	0.014	0.027	0.580	1966
1967	0.042	0.068	0.276	3.34	3.52	0.099	0.095	0.199	0.189	0.046	0.595	0.042	0.720	1967
1968	0.042	0.042	0.042	0.042	0.083	0.105	0.141	0.085	0.042	0.042	0.042	0.053	0.084	1968
1969	0.054	0.054	4.44	24.9	1.13	0.022	1.88	0.026	0.367	0.147	0.078	0.070	2.74	1969
1970	0.081	0.071	0.070	2.71	21.0	1.55	0.089	0.192	0.080	0.050	0.042	0.042	2.20	1970
1971	0.024	0.025	0.323	3.28	0.079	0.052	5.81	1.06	3.40	0.083	0.573	0.061	1.23	1971
1972	0.051	0.051	7.55	1.81	1.37	5.66	0.912	0.795	0.618	0.070	0.188	0.305	1.62	1972
1973	0.018	0.034	0.107	0.088	0.060	0.104	0.071	0.118	0.040	0.135	0.084	0.060	0.074	1973
1974	0.026	0.023	0.811	20.5	2.84	0.818	2.68	0.112	0.137	0.147	0.078	0.101	2.33	1974
1975	0.086	0.082	0.069	17.4	8.95	1.27	0.053	0.071	0.091	0.099	0.384	0.734	2.52	1975
1976	0.737	1.48	16.2	39.4	1.11	10.5	0.832	0.772	0.559	0.046	0.054	0.073	5.94	1976
1977	0.089	0.085	0.078	0.035	0.210	0.078	0.071	0.145	0.093	0.075	0.091	0.054	0.083	1977
1978	0.054	0.084	1.26	4.25	0.831	0.802	12.2	0.801	2.06	0.831	0.040	0.011	1.95	1978
1979	0.014	0.599	4.28	34.0	15.1	1.11	0.294	0.053	0.035	0.046	0.026	0.040	4.82	1979
1980	0.041	0.050	0.075	0.056	0.087	0.099	0.189	0.107	0.066	0.079	0.087	0.061	0.084	1980
1981	0.104	0.054	0.070	0.054	0.051	0.063	0.087	0.074	0.041	0.065	0.077	0.088	0.069	1981
1982	0.064	0.051	0.063	13.6	1.37	0.315	0.422	0.083	0.062	0.094	0.058	0.068	1.34	1982
1983	0.058	0.076	0.226	12.6	0.842	0.262	0.116	0.142	0.083	0.130	0.085	0.038	1.23	1983
1984	0.062	0.076	0.056	0.066	0.069	0.090	0.116	0.123	0.095	0.070	0.059	0.054	0.078	1984
1985	0.049	0.066	0.071	0.033	0.003	0.041	0.025	0.013	0.011	0.019	0.019	0.020	0.030	1985
1986	0.016	0.028	0.023	0.021	0.021	0.018	0.022	0.012	0.014	0.014	0.014	0.017	0.018	1986
MEAN	0.058	0.098	1.12	5.95	1.80	0.859	0.656	0.121	0.155	0.082	0.089	0.065	1.07	MEAN

LOCATION - LAT 49 06 15 N DRAINAGE AREA 4 840 km²
LONG 103 00 48 W REGULATED SINCE 1958

LONG CREEK NEAR ESTEVAN - STATION NO 05NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	0 150E ON APR 25	0 001 ON SEP 2	94 *	1915
1916	---	38 5 E ON APR 14	0 011 ON JAN 1	58 200	1916
1917	---	11 8 ON MAY 2	0 0028 ON FEB 5	17 600	1917
1918	---	5 24 ON APR 26	0 ON AUG 1 *	8 620	1918
1919	---	18 7 B ON APR 5	0 ON AUG 24	19 200	1919
1920	---	25 1 B ON APR 21	0 ON JAN 1	43 700	1920
1921	---	11 0 ON JUN 29	0 ON JAN 1	11 600	1921
1922	---	15 3 B ON APR 5	0 B ON JAN 5	23 500	1922
1923	---	33 7 ON APR 17	0 003 ON FEB 23	---	1923
1933	---	---	---	---	1933
1934	---	---	0 E ON MAR 5	---	1934
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	---	---	0 ON JUN 9	---	1937
1938	---	---	---	---	1938
1939	---	43 3 B ON MAR 24	0 ON JUL 22	---	1939
1940	---	---	---	---	1940
1941	---	14 7 ON APR 11	---	---	1941
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	---	---	---	1947
1948	---	170 E ON APR 26 *	---	---	1948
1949	---	---	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1959	---	---	---	---	1959
1960	0 504 AT 10 00 CST ON SEP 28	0 442 ON JUL 25	0 ON JUL 11	811	1960
1961	0 442 AT 02 00 CST ON AUG 5	0 433 ON AUG 4	0 ON JUL 11	889	1961
1962	---	3 34 ON MAY 16	0 ON JUL 1	2 440	1962
1963	0 402 AT 18 00 CST ON DEC 7	0 374 ON AUG 13	0 ON JUN 13	607	1963
1964	---	15 8 A ON APR 12	0 A ON MAY 28	12 300	1964
1965	---	21 3 ON MAY 29	0 ON APR 6	54 500	1965
1966	---	23 1 ON MAR 19	0 005 ON JAN 1	17 700	1966
1967	---	15 1 ON MAY 10	0 005 ON MAR 1	22 700	1967
1968	---	0 210 ON JUL 14	0 042 ON JAN 1	2 010	1968
1969	---	113 ON APR 11	0 ON APR 28	86 500	1969
1970	---	55 2 ON MAY 6	0 ON OCT 7	89 300	1970
1971	22 4 AT 21 58 CST ON JUL 13	21 7 ON JUL 14	0 007E ON MAR 4	38 900	1971
1972	41 9 AT 01 54 CST ON MAR 21	41 6 ON MAR 21	0 006 ON NOV 21	51 100	1972
1973	0 864 AT 04 34 CST ON AUG 16	0 680E ON MAR 9	0 005 ON MAY 6	2 350	1973
1974	---	54 4 ON APR 13	0 0148 ON FEB 5	73 400	1974
1975	---	84 1 E ON APR 30	0 042E ON MAY 15	73 400	1975
1976	---	154 E ON APR 2	0 020 ON SEP 23	188 000	1976
1977	1 88 AT 19 45 CST ON MAY 16	1 28 ON MAY 15	0 025 ON JUN 29	2 930	1977
1978	38 2 AT 23 00 CST ON JUL 8	36 2 ON JUL 10	0 0058 ON DEC 9	61 400	1978
1979	111 AT 19 08 CST ON APR 22 *	110 ON APR 21	0 0048 ON NOV 22	146 000	1979
1980	1 08 AT 12 30 CST ON DEC 31	0 290 ON JUL 31	0 021 ON JUN 20	2 880	1980
1981	0 303 AT 08 40 CST ON JUL 24	0 224 ON JUL 23	0 005 ON SEP 5	2 180	1981
1982	72 7 AT 00 44 CST ON APR 17	70 4 ON APR 17	0 0218 ON NOV 21	42 200	1982
1983	23 6 AT 19 58 CST ON APR 6	23 5 E ON APR 7	0 025 ON SEP 25	39 700	1983
1984	0 349 AT 15 07 CST ON JUN 30	0 339 ON JUN 30	0 018 ON APR 1	2 460	1984
1985	0 204 AT 17 53 CST ON MAR 14	0 118 ON MAR 23	0 ON MAY 4	958	1985
1986	0 201 AT 12 10 CST ON SEP 4	0 120 ON MAY 31	0 001 ON OCT 6	577	1986
				33 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR MAXIM - STATION NO 05NA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.045	0	0	0.182	0.003	0	0	0.002	--	---	0.029	1959
1960	---	---	3.95	1.72	0.027	0.002	0.001	0	0	0	---	---	0.715	1960
1961	---	---	0.053	0	0	0	0	0	0	0	---	---	0.007	1961
1962	---	---	0.305	0.833	0.001	0.002	0	0	0	0	---	---	0.141	1962
1963	---	---	0.165	0.129	0.013	1.49	0.054	0	0.010	0	---	---	0.229	1963
1964	---	---	0.005	1.70	0.214	0.087	0.004	0	0	0	---	---	0.246	1964
1965	---	---	0	3.05	5.36	3.19	0.487	0.147	0.200	0.142	---	---	1.57	1965
1966	---	---	1.53	0.312	0.101	0.009	0	0	0	0	---	---	0.246	1966
1967	---	---	0.105	3.12	2.39	0.175	0	0	0	0	---	---	0.719	1967
1968	---	---	0.039	0	0	0	0	0.321	0.404	0.087	---	---	0.106	1968
1969	---	---	0	17.0	0.806	0.081	0.218	0.334	0.011	0	---	---	2.27	1969
1970	---	---	0.064	4.25	10.6	0.343	0.004	0	0	0	---	---	1.82	1970
1971	---	---	0.043	3.56	0.049	0.050	4.02	0.386	0	0.044	---	---	1.02	1971
1972	---	---	5.69	0.706	0.158	1.72	0.218	0.125	0	0	---	---	1.08	1972
1973	---	---	0	0.006	0.004	0.002	0	0	0	0	---	---	0.001	1973
1974	---	---	0.073	12.5	0.942	0.242	0.115	0	0	0	---	---	1.71	1974
1975	---	---	0	12.1	3.54	0.064	0.014	0.005	0.004	0.002	---	---	1.94	1975
1976	---	---	8.01	14.4	0.253	6.68	0.555	0.056	0	0	---	---	3.72	1976
1977	---	---	0.001	0.003	0.006	0.003	0	0	0	0	---	---	0.002	1977
1978	---	---	5.02	2.83	0.170	0.428	13.2	0.271	0.725	0.392	---	---	2.88	1978
1979	---	---	0.293	20.4	7.28	0.309	0.074	0.003	0	0	---	---	3.50	1979
1980	---	---	0.010	0.017	0	0	0	0	0	0	---	---	0.003	1980
1981	---	0.049	0.006	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.106	9.19	0.519	0.029	0.073	0.030	0	0	---	---	1.22	1982
1983	---	---	0.056	7.12	0.481	0.077	0.180	0.001	0	0	---	---	0.972	1983
1984	---	---	0.046	0	0.002	0	0	0	0	0	---	---	0.006	1984
1985	---	---	0.023	0	0	0	0	0	0	0	---	---	0.003	1985
1986	---	0.036	0.818	0.002	0.346	0.003	0.084	0.013	0	0.003	---	---	0.181	1986
MEAN	---	0.043	0.945	4.10	1.19	0.542	0.693	0.060	0.048	0.024	---	---	0.943	MEAN

LOCATION - LAT 49 15 32 N DRAINAGE AREA 1 790 km²
LONG 103 57 22 W REGULATED

LONG CREEK NEAR MAXIM - STATION NO 05NA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	3.94 ON JUN 27	0 ON MAR 1 *	809	1959
1960	---	26.5 ON MAR 29	0.8 ON MAR 1	15 200	1960
1961	---	0.3656 ON MAR 13	0.8 ON MAR 1	141	1961
1962	---	4.90 B ON MAR 31	0.8 ON MAR 1	2 990	1962
1963	---	6.80 ON JUN 11	0 ON MAR 1	4 840	1963
1964	---	4.76 B ON APR 8	0.8 ON MAR 1	5 210	1964
1965	---	19.1 ON MAY 8	0.8 ON MAR 1	33 200	1965
1966	---	4.64 ON MAR 20	0 ON MAR 1	5 200	1966
1967	---	8.81 ON APR 12	0.8 ON MAR 1	15 200	1967
1968	---	2.17 ON AUG 29	0.8 ON MAR 1	2 250	1968
1969	---	82.4 ON APR 8	0.8 ON MAR 1	48 100	1969
1970	---	52.1 ON MAY 5	0.8 ON MAR 1	40 800	1970
1971	---	15.9 ON JUL 13	0.8 ON MAR 1	21 800	1971
1972	41.1 AT 12 12 CST ON JUN 8	30.3 ON MAR 19	0.8 ON MAR 1	32 800	1972
1973	0.127 AT 16 47 CST ON APR 26	0.079 ON APR 26	0.8 ON MAR 1	29.9	1973
1974	52.4 AT 11 04 CST ON APR 17	51.3 ON APR 17	0.8 ON MAR 1	36 100	1974
1975	84.0 AT 13 24 CST ON APR 24	82.5 ON APR 24	0.8 ON MAR 1	41 100	1975
1976	85.7 AT 02 09 CST ON APR 3	84.0 ON APR 3	0.8 ON MAR 1	78 700	1976
1977	0.481 AT 10 43 CST ON MAY 19	0.173 ON MAY 19	0.8 ON MAR 1	36.3	1977
1978	84.4 AT 07 46 CST ON JUL 11	81.6 ON JUL 11	0.5 ON MAR 1	60 800	1978
1979	121 AT 01 19 CST ON APR 21 *	112 ON APR 21 *	0.8 ON MAR 1	74 200	1979
1980	0.2178 AT 15 25 CST ON MAR 19	0.079 ON APR 12	0.8 ON MAR 1	89.4	1980
1981	---	0.027 ON MAR 1	0 ON MAR 15	15.3	1981
1982	39.4 AT 17 15 CST ON APR 17	38.6 ON APR 19	0.8 ON MAR 1	25 800	1982
1983	26.9 AT 04 22 CST ON APR 14	24.2 ON APR 14	0.8 ON MAR 1	20 600	1983
1984	0.2988 AT 23 37 CST ON MAR 21	0.2788 ON MAR 22	0.8 ON MAR 1	127	1984
1985	0.1918 AT 23 19 CST ON MAR 14	0.1468 ON MAR 13	0.8 ON MAR 1	81.9	1985
1986	4.15 B AT 16 01 CST ON MAR 9	3.59 B ON MAR 9	0 ON APR 3	3 400	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		20 000	MEAN

LONG CREEK NEAR NOONAN - STATION NO 05NB027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	---	---	---	0	0.013	0.018	---	1959
1960	0.005	0.004	8.31	7.43	0.227	0.142	0.102	0	0	0	0	0	1.35	1960
1961	0	0	0.106	0.033	0.004	0	0	0	0	0	0	0	0.012	1961
1962	0	0	0.493	1.12	0.010	0.015	0	0	0	0	0	0	0.136	1962
1963	0	0	0.278	0.215	0.029	3.88	0.496	1.09	0.453	0.022	0.004	0.003	0.545	1963
1964	0.001	0.003	0.003	5.84	0.527	0.223	0.114	0	0	0	0	0	0.552	1964
1965	0	0	0	5.43	8.77	5.32	1.60	0.189	0.137	0.124	0.055	0.082	1.81	1965
1966	0.041	0.040	5.12	1.23	0.475	0.049	0.007	0.001	0	0.002	0.002	0.001	0.588	1966
1967	0	0	1.84	3.59	3.80	0.111	0.001	0	0	0	0	0	0.782	1967
1968	0.002	0.002	0.072	0.015	0.003	0.004	0	0	0.306	0.004	0.005	0.004	0.035	1968
1969	0	0	0.005	34.0	1.36	0.107	1.42	0.205	0.005	0.009	0.011	0.012	3.06	1969
1970	0.002	0	0.409	5.02	20.5	1.54	0.295	0.038	0.004	0.018	0.023	0.008	2.36	1970
1971	0.003	0.008	0.546	5.13	0.267	0.099	7.08	0.432	0.019	0.010	0.044	0.024	1.15	1971
1972	0.004	0	12.8	1.97	1.51	5.69	0.516	0.181	0.035	0.039	0.036	0.022	1.91	1972
1973	0.016	0.018	0.131	0.199	0.178	0.104	0.001	0	0.003	0.008	0.015	0.003	0.056	1973
1974	0	0.026	2.94	26.5	2.86	0.876	2.80	0.122	0.020	0.025	0.024	0.018	2.94	1974
1975	0.023	0.014	0.027	19.9	9.41	1.18	0.178	0.032	0.356	0.295	0.182	0.123	2.63	1975
1976	0.145	0.129	16.9	36.6	1.63	10.8	1.60	0.146	0.020	0.027	0.022	0.012	5.62	1976
1977	0.008	0.011	0.125	0.117	0.382	0.086	0.001	0	0	0.001	0.006	0.003	0.062	1977
1978	0	0	6.78	8.50	0.898	0.799	12.8	1.11	2.18	0.877	0.203	0.121	2.70	1978
1979	0.022	0.011	0.377	39.5	14.6	1.16	0.220	0.030	0.014	0.019	0.018	0.020	4.85	1979
1980	0.009	0.005	0.280	0.923	0.086	0.002	0.001	0	0	0.001	0.008	0.003	0.107	1980
1981	0	2.02	0.370	0.021	0.007	0.006	0	0	0	0	0	0.001	0.188	1981
1982	0	0	0	23.6	1.58	0.210	0.797	0.082	0.005	0.019	0.022	0.012	2.17	1982
1983	0.011	0.180	1.53	13.9	1.24	0.230	0.084	0.034	0	0.001	0.004	0.003	1.42	1983
1984	0.004	0.013	0.033	0.080	0.101	0.012	0.002	0	0	0	0	0	0.020	1984
1985	0	0.003	1.82	0.171	0.006	0	0	0.144	0.027	0.012	0.011	0.003	0.188	1985
1986	0.001	0.041	1.88	0.143	0.857	0.041	0.271	0.599	0.007	0.017	0.020	0.018	0.313	1986
MEAN	0.011	0.094	2.34	8.86	2.62	1.21	1.12	0.164	0.133	0.057	0.026	0.018	1.38	MEAN

LOCATION - LAT 48 58 52 N LONG 103 04 34 W DRAINAGE AREA 4 460 km² REGULATED INTERNATIONAL GAUGING STATION

LONG CREEK NEAR NOONAN - STATION NO 05NB027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	0 E ON OCT 1 *	---	1959
1960	80.6 B AT 20 00 CST ON MAR 27	56.6 B ON MAR 28	0 B ON FEB 26	42 800	1960
1961	0.851 ON MAR 20	0.510 ON MAR 19	0 B ON JAN 1	380	1961
1962	4.36 AT 07 00 CST ON MAR 30	3.91 ON APR 5	0 ON JAN 1	4 280	1962
1963	22.9 AT 07 00 CST ON JUN 9	20.9 ON JUN 9	0 ON JAN 1	17 200	1963
1964	22.2 B AT 09 00 CST ON APR 5	18.4 B ON APR 5	0 B ON JAN 9	17 400	1964
1965	22.1 AT 10 30 CST ON MAY 9	21.5 ON MAY 9	0 ON JAN 1	57 200	1965
1966	23.2 B AT 23 00 CST ON MAR 16	22.1 B ON MAR 17	0 ON JUL 12	18 500	1966
1967	---	13.5 ON MAY 9	0 B ON JAN 1	24 700	1967
1968	1.27 AT 00 00 CST ON SEP 8	1.19 ON SEP 7	0 ON JAN 1	1 090	1968
1969	141 AT 16 00 CST ON APR 10 *	121 ON APR 10	0 ON JAN 1	95 500	1969
1970	53.6 AT 07 30 CST ON MAY 8	53.0 ON MAY 8	0 ON JAN 9	74 300	1970
1971	---	22.0 ON JUL 13	0 ON JAN 15	36 300	1971
1972	---	49.8 B ON MAR 16	0 B ON JAN 22	60 400	1972
1973	0.481 ON JUN 4	0.368 ON APR 3	0 ON JUL 5	1 780	1973
1974	80.6 B ON APR 12	54.4 B ON APR 11	0 B ON JAN 1	94 800	1974
1975	75.3 ON APR 29	71.6 ON APR 29	0.001 ON JUL 30	83 100	1975
1976	---	162 ON APR 1 *	0 ON SEP 16	178 000	1976
1977	---	1.70 ON MAY 23	0 ON JUL 7	1 980	1977
1978	81.7 AT 00 15 CST ON JUL 15	59.2 ON JUL 15	0 B ON JAN 1	85 100	1978
1979	140 AT 02 30 CST ON APR 19	132 ON APR 19	0.007 ON AUG 27	146 000	1979
1980	2.27 B AT 19 45 CST ON MAR 28	2.07 ON APR 16	0 ON JUL 19	3 390	1980
1981	11.5 B AT 06 00 CST ON FEB 21	10.5 B ON FEB 21	0 B ON JAN 12	5 960	1981
1982	110 B AT 17 00 CST ON APR 15	102 B ON APR 15	0 B ON JAN 1	58 400	1982
1983	23.8 AT 12 00 CST ON APR 17	23.4 ON APR 17	0 ON AUG 19	44 900	1983
1984	0.380 AT 16 30 CST ON MAY 3	0.311 ON MAY 3	0 ON JUL 17	645	1984
1985	8.65 B AT 19 30 CST ON MAR 14	5.80 B ON MAR 15	0 B ON JAN 1	5 890	1985
1986	8.37 B AT 15 00 CST ON MAR 2	4.96 B ON MAR 2	0 B ON JAN 24	9 870	1986
				43 700	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR TRIBUNE - STATION NO 05NA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0.181	0.049	0	0	0	0	0.001	E	---	---	0.029	1957
1958	---	---	0.804	2.03	0	0.055	0	0	0	0	---	---	0.333	1958
MEAN	---	---	0.393	1.04	0	0.033	0	0	0.001	0	---	---	0.181	MEAN

LOCATION - LAT 49 10 32 N LONG 103 50 38 W DRAINAGE AREA 1 980 km² NATURAL FLOW

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	1.84 ON MAR 21	0 ON MAR 1 *	814	1957
1958	---	9.34 ON APR 4 *	0E ON MAR 1	7 040	1958
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 830	MEAN

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	0.624	2.34	0.299	0.004	0	0	0	0	---	---	---	1956
MEAN	---	---	0.624	2.34	0.299	0.004	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 13 05 N, LONG 103 53 20 W. DRAINAGE AREA, 1 970 km^2. NATURAL FLOW

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	5.84 ON APR 8 *	0E ON MAR 1 *	---	1956
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LOON CREEK NEAR MARKINCH - STATION NO. 05JK005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO JUN IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	0	---	---	---	---	---	---	---	1944
1945	---	---	---	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	0.017	0	0	0	---	---	---	---	---	---	0.004	1946
1947	---	---	0	1.13	0.008	0	---	---	---	---	---	---	0.281	1947
1948	---	---	0	0.376	0.004	0	---	---	---	---	---	---	0.093	1948
1949	---	---	0	0.026	0	0	---	---	---	---	---	---	0.006	1949
1950	---	---	0.001	0.530	0	0	---	---	---	---	---	---	0.131	1950
1951	---	---	0	0.655	0.128	0	---	---	---	---	---	---	0.196	1951
1952	---	---	0.184	0.183	0	0	---	---	---	---	---	---	0.087	1952
1953	---	---	0.005	1.37	0.043	0.007	---	---	---	---	---	---	0.352	1953
1954	---	---	0	0.838	0.145	0.130	---	---	---	---	---	---	0.275	1954
MEAN	---	---	0.021	0.512	0.032	0.012	---	---	---	---	---	---	0.158	MEAN

LOCATION - LAT 50 53 00 N, LONG 104 18 30 W. DRAINAGE AREA, 2 040 km^2. REGULATED

LOON CREEK NEAR MARKINCH - STATION NO. 05JK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO JUN FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON MAY 20 *	---	1944
1945	---	---	0 ON APR 1	---	1945
1946	---	0.082 ON MAR 27	0 ON MAR 1	45.4	1946
1947	---	6.55 ON APR 14	0E ON MAR 1	2 880	1947
1948	---	3.40 ON APR 19	0 ON MAR 1	979	1948
1949	---	0.150 ON APR 4	0E ON MAR 1	87.6	1949
1950	---	3.11 ON APR 7	0E ON MAR 1	1 370	1950
1951	---	2.21 ON APR 30	0E ON MAR 1	2 070	1951
1952	---	2.44 ON MAR 29	0 ON MAR 1	915	1952
1953	---	10.4 ON APR 4 *	0E ON MAR 1	3 700	1953
1954	---	3.45 B ON APR 12	0E ON MAR 1	2 900	1954
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 870	MEAN

LYNCH DITCH NEAR COVENLOCK - STATION NO. 11AB042

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 08 15 N, LONG 109 52 00 W. REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

LYNCH DITCH NEAR GOVENLOCK - STATION NO. 11AB042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB075

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.466	2.49	1.48	0.042	0.318	0.020	0	0	---	---	0.535	1927
1928	---	---	0.184	1.20	0.008	0	0	0	0	0	---	---	0.172	1928
1929	---	---	0	0	0.028	0.085	0	0	0	0	0	0	0.014	1929
1930	0	0.062	0.878	1.09	0.001	0	0	0	0	0	0	0	0.264	1930
1931	0	0	0	0	0	0	0	0	0	0	0	0	0	1931
1932	0	0	0.010	0.002	0	0.042	0	0	0	0	0	0	0.007	1932
1933	0	0	0	0	0	0	0	0	0	0	0	0	0	1933
1934	0	0.195	0.387	0.010	0	0	0	0	0	0	0	0	0.038	1934
1935	0	0	0.180	0.610	0	0	0.082	0.002	0	0	0	0	0.108	1935
1936	0	0	0	0.748	0.001	0	0	0	0	0	0	0	0.092	1936
1937	0	0	0.004	0.346	0	0	0	0	0.014	0	---	---	0.045	1937
1938	---	---	0.259	0.284	0.028	0.129	0.081	0	0	0	---	---	0.094	1938
1939	---	---	1.01	0.011	0	0.155	0.001	0	0	0	---	---	0.148	1939
1940	---	---	0	1.50	0.057	0.023	0	0	0	0	---	---	0.194	1940
1941	---	---	1.03	0.008	0	0	0	0	0	0	---	---	0.132	1941
1942	---	---	0.083	0.073	0	0.355	0.081	0	0	0	---	---	0.071	1942
1943	---	---	0.844	0.053	0	0	0	0	0	0	---	---	0.088	1943
1944	---	---	0.115	0	0	0	0	0	0	0	---	---	0.015	1944
1945	---	---	0.041	0	0	0	0	0	0	0	---	---	0.005	1945
1946	---	---	0.420	0	0	0.109	0	0	0	0	---	---	0.066	1946
1947	---	---	0.183	0.151	0	0	0	0	0	0	---	---	0.042	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	1.94	0.005	0	0	0	0	0	---	---	0.238	1950
1951	---	---	0	0.482	0.116	0	0	0	0	0	---	---	0.071	1951
1952	---	---	0	5.55	0.004	0	0	0	0	0	---	---	0.680	1952
1953	---	---	0	0	0	0	0	0	0	0	---	---	0	1953
1954	---	---	0	0.942	0.006	0	0	0	0	0	---	---	0.116	1954
1955	---	---	0.178	1.55	0.015	0.110	2.81	0.018	0	0	---	---	0.586	1955
1956	---	---	0.032	0.088	0.004	0	0	0	0	0	---	---	0.015	1956
1957	---	---	0.017	0.480	0	0	0	0	0	0	---	---	0.058	1957
1958	---	---	0.516	0.361	0	0	0	0	0	0	---	---	0.108	1958
1959	---	---	0.393	0.047	0	0.147	0.003	0	0	0	---	---	0.050	1959
1960	---	---	1.08	0.125	0.030	0	0	0	0	0	---	---	0.156	1960
1961	---	---	0.334	0	0	0	0	0	0	0	---	---	0.042	1961
1962	---	---	0.409	0.057	0	0.045	0.048	0	0	0	---	---	0.070	1962
1963	---	0.027	0.018	0	0	0	0	0	0	0	---	---	0.002	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	1.05	0.013	0	0	0	0	0	---	---	0.131	1965
1966	---	---	0.361	0.112	0.001	0	0	0	0	0	---	---	0.057	1966
1967	---	---	0.391	1.28	0.574	0	0	0	0	0	---	---	0.279	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.13	0.007	0	0	0	0	0	---	---	0.139	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0.018	0	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.298	0.383	0.345	0.002	0	0	0	0	---	---	0.123	1974
1975	---	---	0	0.248	0.105	0.004	0	0.043	0	0	---	---	0.050	1975
1976	---	---	0.599	0.017	0	0	0	0	0	0	---	---	0.078	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	1.71	0.022	0	0	0	0	0	---	---	0.213	1978
1979	---	---	0.594	0.321	0.026	0.079	0.267	0	0	0	---	---	0.174	1979
1980	---	---	0.215	0.007	0	0	0	0	0	0	---	---	0.028	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.035	1.37	0.128	0.175	0	0	0	0	---	---	0.211	1982
1983	---	---	0	0	0	0	0.027	0	0	0	---	---	0.003	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	1.45	0	0.148	0	0	0	1.88	0.303	---	---	0.443	1986
MEAN	0	0.026	0.310	0.462	0.052	0.025	0.082	0.001	0.028	0.005	0	0	0.105	MEAN

LOCATION - LAT 48 00 17 N LONG 108 13 48 W DRAINAGE AREA, 174 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1983

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AB075

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	18.9 AT 19:00 MST ON APR 3	14.3 ON MAY 23	0 ON MAR 1 *	12 600	1927
1928	15.8 B ON APR 2	10.7 B ON APR 2	0B ON MAR 1	3 630	1928
1929	0.796 ON JUN 11	0.803 ON JUN 4	0 ON MAR 1	295	1929
1930	12.4 B AT 07:00 MST ON APR 2	10.7 B ON APR 2	0B ON MAR 2	5 170	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	0.708 AT 19:00 MST ON JUN 10	0.382 ON JUN 11	0 ON MAR 1	140	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1934	3.26 B AT 07:00 MST ON MAR 3	2.52 B ON MAR 3	0 ON MAR 26	795	1934
1935	12.8 AT 07:00 MST ON APR 13	7.02 ON APR 13	0 ON MAR 1	2 290	1935
1936	14.3 AT 18:00 MST ON APR 12	11.0 ON APR 12	0 ON MAR 1	1 940	1936
1937	5.21 AT 06:00 MST ON APR 9	2.80 ON APR 9	0 ON MAR 1	845	1937
1938	4.11 AT 18:30 MST ON MAR 25	3.14 B ON APR 9	0 ON MAR 1	2 000	1938
1939	17.1 AT 01:00 MST ON MAR 23	10.5 ON MAR 22	0 ON MAR 1	3 130	1939
1940	25.7 AT 07:30 MST ON APR 21	15.1 ON APR 21	0 ON MAR 1	4 110	1940
1941	11.6 AT 22:00 MST ON MAR 21	8.07 ON MAR 22	0 ON MAR 1	2 780	1941
1942	6.00 AT 08:15 MST ON JUN 29	4.22 ON JUN 29	0 ON MAR 1	1 490	1942
1943	9.12 AT 09:45 MST ON MAR 29	9.00 ON MAR 29	0 ON MAR 1	1 870	1943
1944	2.92 AT 19:15 MST ON MAR 17	1.50 ON MAR 18	0 ON MAR 1	305	1944
1945	0.411 AT 09:45 MST ON MAR 23	0.354 ON MAR 22	0 ON MAR 1	111	1945
1946	13.8 AT 20:05 MST ON JUN 5	2.66 ON MAR 11	0 ON MAR 1	1 410	1946
1947	1.84 AT 19:00 MST ON MAR 29	1.33 ON MAR 29	0 ON MAR 1	882	1947
1948	---	0 ON MAR 1	0 ON MAR 1	0	1948
1949	---	0 ON MAR 1	0 ON MAR 1	0	1949
1950	26.8 ON APR 13	14.7 ON APR 13	0 ON MAR 1	5 040	1950
1951	3.86 B AT 17:55 MST ON APR 5	2.89 ON APR 8	0 ON MAR 1	1 510	1951
1952	26.8 AT 03:00 MST ON APR 7	22.5 ON APR 7 *	0 ON MAR 1	14 400	1952
1953	---	0 ON MAR 1	0 ON MAR 1	0	1953
1954	18.3 AT 21:00 MST ON APR 6	9.49 ON APR 6	0B ON MAR 1	2 460	1954
1955	34.5 ON JUL 6	19.5 ON JUL 7	0B ON MAR 1	12 400	1955
1956	0.541 AT 19:00 MST ON APR 4	0.487 ON APR 4	0B ON MAR 1	325	1956
1957	3.45 AT 12:30 MST ON APR 1	3.17 ON APR 1	0 ON MAR 1	1 230	1957
1958	6.63 A AT 17:45 MST ON MAR 31	5.47 A ON MAR 31	0 ON MAR 1	2 280	1958
1959	6.94 AT 18:30 MST ON MAR 26	2.49 ON JUN 28	0 ON MAR 1	1 050	1959
1960	8.35 A AT 18:00 MST ON MAR 23	7.90 A ON MAR 23	0 ON MAR 1	3 310	1960
1961	5.21 AT 19:00 MST ON MAR 15	2.81 ON MAR 17	0 ON MAR 1	895	1961
1962	---	3.78 ON MAR 27	0 ON MAR 1	1 490	1962
1963	---	0.2108 ON MAR 2	0B ON MAR 16	50.3	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	18.7 AT 13:30 MST ON APR 20	7.83 B ON APR 14	0B ON MAR 1	2 770	1965
1966	3.71 AT 23:30 MST ON APR 2	1.22 ON APR 3	0 ON MAR 1	1 208	1966
1967	8.89 AT 19:30 MST ON APR 3	4.76 ON APR 4	0 ON MAR 1	5 920	1967
1968	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1968
1969	15.7 AT 09:00 MST ON APR 7	10.4 ON APR 7	0 ON MAR 1	2 950	1969
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	0.181 AT 22:00 CST ON APR 8	0.025 ON APR 10	0 ON MAR 1	4.06	1971
1972	1.23 AT 18:45 MST ON MAR 17	0.368 ON MAR 17	0 ON MAR 1	41.3	1972
1973	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	5.38 AT 16:00 CST ON APR 1	4.02 ON APR 1	0 ON MAR 1	2 600	1974
1975	2.78 A AT 01:00 CST ON APR 15	1.05 ON APR 20	0 ON MAR 1	1 050	1975
1976	5.69 B ON MAR 19	3.68 B ON MAR 19	0 ON MAR 1	1 640	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	21.5 B AT 19:30 CST ON APR 6	13.0 B ON APR 6	0B ON MAR 1	4 500	1978
1979	5.42 AT 19:00 CST ON MAR 24	3.43 ON MAR 24	0 ON MAR 1	3 880	1979
1980	2.33 AT 20:00 MST ON MAR 20	1.27 ON MAR 21	0 ON MAR 1	595	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	15.3 AT 20:00 CST ON APR 13	8.39 ON APR 14	0 ON MAR 1	4 480	1982
1983	1.74 AT 00:30 CST ON JUL 11	0.661 ON JUL 11	0 ON MAR 1	73.5	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	39.6 AT 13:00 CST ON SEP 25 *	18.8 ON SEP 25	0 ON MAR 29	9 380	1986
				2 220	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACDONALD CREEK NEAR BOUNTY - STATION NO 05MF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0	0.376	0.989	0.195	0.001	0	0	0	---	---	0.195	1967
1968	---	---	0.185	0.012	0.001	0.004	0	0	0.002	0.001	---	---	0.027	1968
1969	---	---	0	3.86	0.353	0.096	0.047	0.020	0	0.024	---	---	0.518	1969
1970	---	---	0	8.88	1.29	0.388	0.324	0.153	0.031	0.030	---	---	1.35	1970
1971	---	---	0	1.34	0.382	0.135	0.043	0	0	0	---	---	0.234	1971
1972	---	---	0.090	0.112	0.007	0.057	0.002	0	0	0	---	---	0.033	1972
1973	---	---	0.050	0.023	0.009	0	0	0	0	0	---	---	0.010	1973
1974	---	---	0	2.68	0.280	0.039	0.285	0.013	0.001	0.003	---	---	0.390	1974
1975	---	---	0	1.31	0.579	0.347	0.189	0.059	0.031	0.017	---	---	0.314	1975
1976	---	---	0.012	3.46	0.708	0.227	0.148	0.040	0.001	0	---	---	0.586	1976
1977	---	---	0.015	0.042	0.026	0.001	0	0	0	0	---	---	0.010	1977
1978	---	---	0.092	0.127	0.019	0.005	0	0	0	0	---	---	0.030	1978
1979	---	---	0	0.948	0.031	0.008	0.002	0	0	0	---	---	0.121	1979
1980	---	---	0.229	0.100	0	0	0	0	0	0	---	---	0.041	1980
1981	---	---	0.011	0.013	0.001	0.001	0	0	0	0	---	---	0.003	1981
1982	---	---	0	1.29	0.112	0.084	0.002	0.008	0	0	---	---	0.181	1982
1983	---	---	0.214	0.520	0.100	0.046	0.312	0.008	0.020	0.013	---	---	0.154	1983
1984	---	---	0.544	0.157	0.004	0.005	0	0	0	0	---	---	0.089	1984
1985	---	---	0.001	3.36	0.093	0.005	0	0	0	0	---	---	0.428	1985
1986	---	---	0.089	0.035	0.001	0.073	0	0	0	0	---	---	0.022	1986
MEAN	---	---	0.078	1.42	0.248	0.084	0.057	0.015	0.004	0.004	---	---	0.238	MEAN

LOCATION - LAT 51 31 55 N DRAINAGE AREA, 2 560 km²
LONG 107 24 44 W NATURAL FLOW

MACDONALD CREEK NEAR BOUNTY - STATION NO 05MF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---			
1967	4.16 B AT 01:30 CST ON APR 29	3.17 B ON APR 29	0 ON AUG 22 +	---	1966
1968	---	1.21 B ON MAR 4	0B ON MAR 1	4 130	1967
1969	32.0 AT 05:00 CST ON APR 11 +	26.0 ON APR 11	0 ON MAY 2	570	1968
			0B ON MAR 1	10 900	1969
1970	30.9 AT 03:30 CST ON APR 10	25.6 ON APR 11 +	0B ON MAR 1	28 800	1970
1971	6.71 B AT 23:51 CST ON APR 10	5.47 B ON APR 10	0B ON MAR 1	4 950	1971
1972	1.03 B AT 00:01 CST ON MAR 24	0.631B ON APR 3	0B ON MAR 1	704	1972
1973	0.809B AT 14:50 CST ON MAR 20	0.388B ON MAR 21	0B ON MAR 1	220	1973
1974	18.6 B AT 07:29 CST ON APR 20	16.5 B ON APR 20	0B ON MAR 1	8 240	1974
1975	8.83 AT 06:08 CST ON APR 20	8.33 ON APR 20	0B ON MAR 1	5 840	1975
1976	17.2 AT 00:26 CST ON APR 8	16.1 ON APR 7	0B ON MAR 1	12 000	1976
1977	0.238 AT 03:56 CST ON APR 10	0.210 ON APR 10	0B ON MAR 1	219	1977
1978	1.35 AT 08:05 CST ON MAR 29	0.932 ON MAR 29	0B ON MAR 1	840	1978
1979	4.51 AT 08:43 CST ON APR 19	4.31 ON APR 19	0B ON MAR 1	2 670	1979
1980	2.20 B AT 07:24 CST ON MAR 25	1.09 B ON MAR 25	0B ON MAR 1	874	1980
1981	0.070 AT 11:40 CST ON MAR 17	0.062 ON MAR 17	0B ON MAR 1	89.1	1981
1982	14.1 B AT 07:19 CST ON APR 17	9.39 B ON APR 17	0B ON MAR 1	3 830	1982
1983	4.40 B AT 00:22 CST ON MAR 31	3.15 B ON MAR 31	0B ON MAR 21	3 250	1983
1984	2.50 B AT 07:11 CST ON MAR 22	2.02 B ON MAR 21	0B ON MAR 1	1 890	1984
1985	13.6 AT 18:11 CST ON APR 9	12.5 ON APR 10	0B ON MAR 1	9 010	1985
1986	0.491 AT 03:45 CST ON JUN 5	0.440 ON JUN 4	0B ON MAR 1	473	1986
	B - ICE CONDITIONS	+ - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 000	MEAN

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO 07MB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	96.4	72.6	55.6	67.3	56.6	49.5	---	1967
1968	44.4	42.2	43.6	48.6	88.0	79.7	86.5	50.3	59.5	112	93.9	70.5	66.7	1968
1969	82.1	64.2	48.7	81.3	86.2	83.4	45.4	34.2	37.4	44.4	40.6	36.7	51.2	1969
1970	32.1	30.3	33.1	38.5	74.5	66.9	50.9	42.8	54.1	62.6	62.3	52.6	50.2	1970
1971	48.7	43.6	41.1	48.5	77.9	61.5	40.7	38.3	42.4	46.0	45.0	39.5	46.8	1971
1972	36.9	34.2	32.2	32.4	72.5	68.9	47.1	33.7	34.6	53.1	45.7	37.9	43.9	1972
1973	37.0	36.6	36.2	36.3	46.9	46.0	70.5	81.1	84.7	84.5	58.0	53.4	52.7	1973
1974	47.9	45.0	41.7	42.1	86.2	72.6	86.6	61.6	67.8	75.4	67.2	51.2	60.7	1974
1975	45.5	42.6	41.9	47.5	84.2	70.8	82.3	51.2	56.6	84.4	66.3	56.7	58.4	1975
1976	50.9	44.7	40.3	57.6	85.4	84.2	60.8	64.4	83.2	71.4	69.2	57.1	60.1	1976
1977	51.1	49.4	46.6	80.5	92.0	84.8	70.4	84.5	73.8	69.2	58.6	51.9	64.6	1977
1978	46.1	42.6	41.7	46.0	89.5	76.5	52.0	47.9	59.0	72.9	61.4	51.4	57.3	1978
1979	46.1	43.6	41.9	42.4	69.1	77.9	54.4	46.0	46.5	56.0	86.1	45.9	51.9	1979
1980	40.0	37.9	37.3	53.6	63.2	60.2	34.3	33.7	35.6	38.9	38.1	32.6	40.5	1980
1981	30.0	29.3	29.2	33.3	65.8	53.6	39.2	30.7	26.8	27.0	32.2	32.6	38.2	1981
1982	27.5	22.8	21.4	23.7	63.6	54.4	38.7	36.2	40.4	40.3	36.1	35.1	37.0	1982
1983	33.4	32.0	32.6	37.6	80.1	55.6	42.7	36.8	40.6	48.3	46.5	38.3	42.1	1983
1984	34.8	33.4	33.6	48.8	57.4	49.5	45.5	43.7	51.7	55.0	56.3	48.3	46.5	1984
1985	40.0	38.0	37.7	40.5	106	80.4	65.1	48.0	53.0	60.0	55.4	46.7	55.7	1985
1986	40.3	38.2	38.6	46.0	92.3	71.5	66.9	57.0	56.9	54.3	48.2	46.3	55.6	1986
MEAN	41.7	38.9	37.9	44.6	77.6	65.0	55.4	48.2	51.1	58.7	54.6	46.7	51.5	MEAN

LOCATION - LAT 58 58 00 N DRAINAGE AREA, 9 120 km²
LONG 108 10 30 W NATURAL FLOW

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO. 07MB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	121 AT 15:00 CST ON OCT 17	117 ON OCT 16	41.9A ON JAN 31	2 110 000	1968
1969	95.1 AT 08:00 CST ON MAY 2	95.1 ON MAY 2	30.0 ON SEP 5	1 610 000	1969
1970	80.4 AT 12:00 CST ON MAY 27	80.1 ON MAY 27	29.7B ON FEB 5	1 580 000	1970
1971	88.3 AT 07:06 CST ON MAY 11	87.2 ON MAY 11	35.4 ON AUG 15	1 480 000	1971
1972	88.9 AT 22:26 CST ON MAY 24	88.3 ON MAY 24	30.3E ON AUG 25	1 390 000	1972
1973	---	86.6 ON JUL 25	36.0E ON MAR 29	1 660 000	1973
1974	---	102 E ON MAY 20	40.8 ON MAR 10	1 920 000	1974
1975	---	103 ON MAY 16	41.1 ON MAR 29	1 840 000	1975
1976	95.0 AT 18:09 CST ON MAY 10	93.4 ON MAY 10	39.4 ON MAR 7	1 900 000	1976
1977	113 AT 12:19 CST ON MAY 12	104 ON MAY 12	44.7E ON MAR 23	2 040 000	1977
1978	96.0 AT 22:42 CST ON MAY 16	97.7 ON MAY 16	40.5 ON MAR 4	1 810 000	1978
1979	89.0 AT 13:43 CST ON MAY 27	85.6 ON MAY 26	39.2 ON APR 5	1 640 000	1979
1980	---	78.0E ON APR 30	31.2 ON DEC 25	1 280 000	1980
1981	78.4 AT 13:15 CST ON MAY 16	77.8 ON MAY 16	23.8 ON OCT 8	1 140 000	1981
1982	78.9 AT 12:13 CST ON MAY 21	76.1 ON MAY 24	21.1 ON MAR 25 *	1 170 000	1982
1983	64.1 AT 09:21 CST ON MAY 11	63.1 ON MAY 11	29.5 ON APR 8	1 330 000	1983
1984	66.2 AT 00:22 CST ON OCT 25	62.9 ON OCT 25	32.0 ON MAR 14	1 470 000	1984
1985	130 AT 23:12 CST ON MAY 19 *	126 ON MAY 19 *	37.1 ON MAR 26	1 790 000	1985
1986	102 AT 13:34 CST ON MAY 23	97.7 ON MAY 17	34.3 ON MAR 22	1 780 000	1986
				1 630 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACLEOD TRIBUTARY NEAR BICKLEIGH - STATION NO. 05MF012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.067	0	0	0	0	0	0.003	---	---	0.009	1969
1970	---	---	0	0.077	0	0	0	0	0	0	---	---	0.009	1970
1971	---	---	0	0.039	0	0.001	0.003	0	0	0	---	---	0.005	1971
1972	---	---	0.002	0.001	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.001	0.002	0	0	0	0	0	0	---	---	0	1973
MEAN	---	---	0.001	0.031	0	0	0.001	0	0	0.001	---	---	0.004	MEAN

LOCATION - LAT 51 19 44 N
LONG 108 24 05 W
DRAINAGE AREA 18.4 km^2
NATURAL FLOW

MACLEOD TRIBUTARY NEAR BICKLEIGH - STATION NO. 05MF012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.0084 ON MAR 3	0E ON MAR 7 *	2.07	1968
1969	2.18 AT 18:20 CST ON APR 11 *	0.855 ON APR 11 *	0B ON MAR 1	181	1969
1970	1.85 AT 17:00 CST ON APR 9	0.585 ON APR 8	0B ON MAR 1	199	1970
1971	1.44 B AT 17:34 CST ON APR 8	0.4028 ON APR 8	0B ON MAR 1	112	1971
1972	0.0378 AT 17:24 CST ON APR 1	0.0148 ON APR 1	0B ON MAR 1	6.74	1972
1973	0.019 AT 14:35 CST ON MAR 21	0.0108 ON MAR 20	0B ON MAR 1	7.26	1973
				84.7	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACNAB CREEK NEAR SOMME - STATION NO 05LB008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.006	0.723	---	---	---	---	---	---	---	---	1956
1957	---	---	---	0.809	0.599	---	---	---	---	---	---	---	---	1957
1960	---	---	---	0.925	---	---	---	---	---	---	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1963	---	---	0	0	0	0	0	0	0	0	---	---	0	1963
1964	---	---	---	---	0.403	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.145	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.235	0.379	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.112	1.10	---	---	---	---	---	---	---	---	1967
1968	---	---	---	0.019	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	0.372	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	0.216	---	---	---	---	---	---	---	---	---	1970
1974	---	---	---	0.431	1.49	0.381	---	---	---	---	---	---	---	1974
1975	---	---	0	0.440	0.776	0.514	0.084	0.006	0.011	0.050	---	---	0.231	1975
1976	---	---	0	0.512	0.112	2.16	0.263	0.028	0.001	0.001	---	---	0.376	1976
1977	---	---	0	0.037	0.034	0.004	0	0	0	0	---	---	0.009	1977
1978	---	---	0	0.266	0.115	0.005	0	0	0	0	---	---	0.048	1978
1979	---	---	0	0.473	0.953	0.828	0.014	0	0	0	---	---	0.257	1979
1980	---	---	0.001	0.114	0	0	0	0	0	0	---	---	0.014	1980
1981	---	---	0.002	0.005	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.043	0.003	0.011	0	0	0	0	---	---	0.007	1982
1983	---	---	0	0.111	0.041	0.099	0.430	0.052	0	0	---	---	0.093	1983
1984	---	---	0.039	0.174	0.784	0.811	0.067	0	0	0	---	---	0.247	1984
1985	---	---	0	1.18	0.481	0.020	0.002	0.007	0	0.009	---	---	0.210	1985
1986	---	---	0.048	0.397	0.326	0.099	0	0.018	0.001	0	---	---	0.111	1986
MEAN	---	---	0.006	0.293	0.416	0.322	0.060	0.009	0.001	0.004	---	---	0.115	MEAN

LOCATION - LAT 52 36 29 N DRAINAGE AREA 87.5 km²
LONG 102 57 57 W NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1977 COLLECTED IN SE05-42-07-W2

MACNAB CREEK NEAR SOMME - STATION NO 05LB008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1960	---	---	---	---	1960
1961	---	0 ON MAR 1	0 ON MAR 1 *	0	1961
1963	---	0 ON MAR 1	0 ON MAR 1	0	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	1.85 ON APR 28	0.08 ON MAR 1	4 900	1975
1976	---	5.75 ON JUN 25 *	0.08 ON MAR 1	8 010	1976
1977	---	0.167 ON APR 12	0.08 ON MAR 1	188	1977
1978	---	0.8888 ON APR 18	0.08 ON MAR 1	1 010	1978
1979	---	3.28 ON JUN 7	0.08 ON MAR 1	5 450	1979
1980	0.691 AT 06 15 CST ON APR 5	0.485 ON APR 5	0.08 ON MAR 1	298	1980
1981	0.182 AT 05 19 CST ON APR 7	0.081 ON APR 7	0.08 ON MAR 1	17.1	1981
1982	0.397 AT 17 45 CST ON APR 15	0.348 ON APR 15	0.08 ON MAR 1	149	1982
1983	1.53 AT 17 54 CST ON APR 22	1.20 ON JUL 4	0.08 ON MAR 1	1 970	1983
1984	2.80 AT 17 35 CST ON JUN 8	2.61 ON JUN 8	0.08 ON MAR 1	5 220	1984
1985	3.97 AT 19 19 CST ON APR 21 *	3.54 ON APR 22	0.08 ON MAR 1	4 440	1985
1986	---	1.20 B ON APR 1	0.08 ON MAR 1	2 340	1986
MEAN				2 430	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0.271	0.037	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.491	0.007	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.468	0.078	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.970	0.122	0	---	---	---	---	---	---	---	1967
1969	---	---	---	---	0.007	---	---	---	---	---	---	---	---	1969
1970	---	---	0.119	1.09	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.22	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.397	1.23	0.029	---	---	---	---	---	---	---	---	1972
1973	---	---	0.029	0.009	0.005	0.089	0.058	0	0	0	---	---	0.024	1973
1974	---	---	0	0.944	0.471	0.195	0	0.002	0.121	0.023	---	---	0.217	1974
1975	---	---	0	2.92	0.325	0.012	0	0	0	0	---	---	0.400	1975
1976	---	---	0	1.11	0.008	0.015	0.005	0	0	0	---	---	0.139	1976
1977	---	---	0	0.052	0.220	0.006	0	0	0	0	---	---	0.035	1977
1978	---	---	0.344	0.305	0.009	0	0.157	0	0	0	---	---	0.102	1978
1979	---	---	0	2.42	0.238	0.007	0	0	0	0	---	---	0.328	1979
1980	---	---	0	0.850	0	0	0	0	0	0	---	---	0.105	1980
1981	---	0.011	0.007	0	0	0	0	0.002	0	0	---	---	0.001	1981
1982	---	---	0.002	0.293	0.001	0.001	0	0	0	0	---	---	0.036	1982
1983	---	---	0	0.298	0.007	0	0.635	0.024	0	0	---	---	0.121	1983
1984	---	---	0.104	0.054	0.010	0.014	0	0	0	0	---	---	0.023	1984
1985	---	---	0.102	2.05	0.068	0.001	0	0	0	0	---	---	0.273	1985
1986	---	---	0.432	0.122	0.010	0	0	0	0	0	---	---	0.071	1986
MEAN	---	0.011	0.096	0.866	0.083	0.023	0.061	0.002	0.009	0.002	---	---	0.134	MEAN

LOCATION - LAT 51 48 52 N DRAINAGE AREA, 121 km²
LONG 104 12 07 W NATURAL FLOW

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	17.0 E ON APR 8	0.0 ON APR 1 *	---	1971
1972	---	3.88 ON APR 3	0.0 ON MAR 1	---	1972
1973	0.507 AT 05 35 CST ON JUN 5	0.439 ON JUN 5	0.0 ON MAR 1	500	1973
1974	9.43 AT 12 26 CST ON APR 19	5.77 B ON APR 19	0.0 ON MAR 1	4 600	1974
1975	28.9 AT 02 48 CST ON APR 29 *	20.7 ON APR 29 *	0.0 ON MAR 1	8 470	1975
1976	11.5 B AT 08 21 CST ON APR 8	7.73 B ON APR 8	0.0 ON MAR 1	2 940	1976
1977	7.50 AT 09 43 CST ON MAY 25	3.71 ON MAY 25	0.0 ON MAR 1	739	1977
1978	5.21 B AT 11 08 CST ON MAR 29	4.11 B ON MAR 29	0.0 ON MAR 1	2 160	1978
1979	20.4 B AT 09 35 CST ON APR 21	15.1 B ON APR 21	0.0 ON MAR 1	6 940	1979
1980	11.4 B AT 14 46 CST ON APR 4	6.70 B ON APR 4	0.0 ON MAR 1	2 230	1980
1981	0.2128 AT 13 15 CST ON MAR 17	0.0708 ON MAR 17	0.0 ON MAR 5	26.0	1981
1982	2.12 AT 11 40 CST ON APR 14	1.87 ON APR 14	0.0 ON MAR 1	768	1982
1983	4.72 AT 13 28 CST ON JUL 22	3.78 ON JUL 22	0.0 ON MAR 1	2 560	1983
1984	0.9778 AT 12 20 CST ON MAR 26	0.7558 ON MAR 26	0.0 ON MAR 1	482	1984
1985	17.1 AT 20 04 CST ON APR 2	11.5 ON APR 2	0.0 ON MAR 1	5 770	1985
1986	2.56 B AT 23 46 CST ON MAR 28	2.15 B ON MAR 29	0.0 ON MAR 1	1 500	1986
				2 830	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 05AD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	0.265	---	---	---	---	---	---	---	---	1967
1968	---	---	---	---	0.744	---	---	---	---	---	---	---	---	1968
1970	---	---	---	---	2.46	---	---	---	---	---	---	---	---	1970
1972	---	---	---	3.84	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	1.30	3.69	---	---	---	---	---	---	---	---	1973
1974	---	---	---	2.38	11.4	15.1	---	---	---	---	---	---	---	1974
1975	---	---	0.992	1.35	3.36	2.43	3.70	3.04	1.78	3.33	---	---	2.50	1975
1976	---	---	1.01	0.585	0.056	0.017	0.032	0.032	0.043	0.034	---	---	0.223	1976
1977	---	---	0	0.180	0.456	0.187	0.283	0.542	0.430	0.271	---	---	0.293	1977
1978	---	---	0.738	3.12	2.82	2.31	0.557	0.028	0.028	0.034	---	---	1.20	1978
1979	---	---	0.205	0.653	2.05	2.61	1.89	0.729	0.423	0.265	---	---	1.08	1979
1980	---	---	0.578	2.69	0.609	0.167	0.011	0.013	0.013	0.030	---	---	0.508	1980
1981	---	---	0.152	1.80	0.845	0.017	0.043	0.041	0.011	0.025	---	---	0.364	1981
1982	---	---	0.002	0.008	0.048	0.105	0.188	0.329	0.115	0.089	---	---	0.111	1982
1983	---	---	0.129	0.381	0.367	0.123	0.196	0.076	0.051	0.014	---	---	0.164	1983
1984	---	---	0.115	0.252	0.502	1.67	0.951	0.271	0.031	0.033	---	---	0.476	1984
1985	---	---	0.188	1.09	3.01	1.70	0.401	0.071	0.039	0.005	---	---	0.811	1985
1986	---	---	0.277	0.700	1.18	1.72	1.91	5.41	2.21	0.815	---	---	1.78	1986
MEAN	---	---	0.366	1.38	1.99	2.24	0.830	0.882	0.431	0.412	---	---	0.793	MEAN

LOCATION - LAT 54 04 40 N DRAINAGE AREA, 1 420 km²
LONG 109 12 00 W REGULATED

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 06AD009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	5.52 E ON OCT 30	0.923 ON APR 10	53 000	1975
1976	---	1.24 ON APR 13	0 003 ON JUN 19	4 720	1976
1977	---	0.891 ON AUG 9	0 B ON MAR 1 *	6 190	1977
1978	3.77 AT 12 34 CST ON APR 25	3.74 ON APR 25	0 028 ON JUL 17	25 300	1978
1979	2.95 AT 06 19 CST ON JUN 16	2.91 ON JUN 16	0 142E ON OCT 31	22 800	1979
1980	5.01 AT 02 07 CST ON APR 12	4 72 ON APR 12	0.001 ON JUL 30	10 800	1980
1981	2.57 B AT 12 40 CST ON APR 5	2 44 B ON APR 5	0.001 ON JUN 21	7 700	1981
1982	0.514 AT 13 46 CST ON AUG 22	0 501 ON AUG 22	0.001B ON MAR 1	2 350	1982
1983	0.673 AT 15 46 CST ON MAY 2	0 557 ON MAY 7	0 008 ON OCT 24	3 480	1983
1984	2.58 AT 13 02 CST ON JUN 30	2.09 ON JUN 17	0 009 ON SEP 20	10 100	1984
1985	3.78 AT 13 07 CST ON MAY 8	3 53 ON MAY 6	0 001E ON OCT 5	17 200	1985
1986	6.78 AT 13 30 CST ON AUG 15 *	6 65 ON AUG 12 *	0 1508 ON MAR 1	37 700	1986
				16 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAKWA RIVER AT RAPID VIEW - STATION NO. 06AD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	29.3	20 0	10 4	8.02	4 80	---	---	---	---	---	1960
1961	---	---	---	8 78	4 56	2 53	1 89	---	---	---	---	---	---	1961
1962	---	---	---	8.06	6 95	6 86	0 761	---	---	---	---	---	---	1962
1963	---	---	---	9 83	8 74	5 70	2 78	---	---	---	---	---	---	1963
1964	---	---	---	0 977	1 20	---	---	---	---	---	---	---	---	1964
1965	---	---	---	12 0	11 4	26 3	---	---	---	---	---	---	---	1965
1966	---	---	---	---	2 18	---	---	---	---	---	---	---	---	1966
1971	---	---	1.34	12 1	5 48	2.50	1 75	2 22	1 49	1 12	---	---	3.48	1971
1972	---	---	0 926	9 87	9 59	3 19	1 30	0.361	0.317	0 576	---	---	3.25	1972
1973	---	---	0 798	6.11	7 06	5 50	5 82	1 46	0 568	1 44	---	---	3.59	1973
1974	---	---	1 83	20 3	23 6	19 4	12 6	6 01	6.38	1 90	---	---	11 4	1974
1975	---	---	2 10	13 1	7 78	5 71	14 5	4.35	2 67	0.837	---	---	6.37	1975
1976	---	---	0 870	4 89	1 02	0 756	0 919	1.28	0 795	0.335	---	---	1.38	1976
1977	---	---	0 057	3 73	5 92	2 11	0 436	1 30	1 03	0 905	---	---	1 83	1977
1978	---	---	0 485	8 69	13 3	3 96	0 746	0 086	0 085	0 111	---	---	3 41	1978
1979	---	---	0	4 82	10 8	4 88	2 47	0 805	0 495	0 380	---	---	3 08	1979
1980	---	---	0.382	8.32	1 84	0 424	0 093	0 203	0 979	0 963	---	---	1.38	1980
1981	---	---	0.882	5.05	1.80	0 128	0 062	0 078	0.046	0.080	---	---	1.01	1981
1982	---	---	0	3 79	3 42	0.863	0.858	0 670	0 392	0 849	---	---	1.35	1982
1983	---	---	0.248	2.58	1 18	1.16	1 06	0 298	0 804	0 721	---	---	1 00	1983
1984	---	---	0.447	4 16	5 15	9 66	2.38	0 923	0 523	0 591	---	---	2.95	1984
1985	---	---	0 454	9.81	10 1	4 78	1 45	0 552	0.309	0 336	---	---	3 45	1985
1986	---	---	0 879	5 89	3 79	3 76	3 45	10.8	3.55	1 49	---	---	4 18	1986
MEAN	---	---	0 716	8 85	7.25	5.73	3 17	2 12	1.28	0 780	---	---	3.33	MEAN

LOCATION - LAT 54 08 50 N
LONG 108 48 20 W
DRAINAGE AREA 2 740 km^2
REGULATED

MAKWA RIVER AT RAPID VIEW - STATION NO. 06AD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1971	37 4 AT 16 00 CST ON APR 17	36 0 ON APR 18	0 527 ON OCT 23	73 700	1971
1972	22 0 AT 16 00 CST ON APR 20	20 7 ON APR 20	0 ON AUG 27 *	68 900	1972
1973	20 8 AT 13 00 CST ON APR 16	18 7 ON APR 17	0 198 ON SEP 1	76 000	1973
1974	59 2 AT 15 59 CST ON APR 22 *	58 9 ON APR 22 *	1 13 E ON OCT 23	242 000	1974
1975	---	27 2 E ON APR 18	0 480 ON OCT 10	135 000	1975
1976	---	15 1 ON APR 9	0 193 ON OCT 13	28 800	1976
1977	---	19 2 ON MAY 29	0 0548 ON MAR 1	40 900	1977
1978	23.2 AT 14 30 CST ON APR 15	20 8 B ON APR 15	0 ON AUG 11	72 200	1978
1979	28.8 B AT 03 14 CST ON APR 29	25 5 ON APR 29	0 B ON MAR 1	65 300	1979
1980	18.2 AT 16 48 CST ON APR 17	18 0 ON APR 18	0 004E ON JUL 14	29 300	1980
1981	10 5 AT 08 00 CST ON APR 5	8 348 ON APR 5	0 E ON SEP 17	21 300	1981
1982	15.2 AT 12 02 CST ON APR 27	15 1 ON APR 27	0 B ON MAR 1	28 600	1982
1983	8 72 AT 00 27 CST ON APR 14	7 53 ON APR 14	0 194 ON SEP 7	21 200	1983
1984	13.5 AT 15 02 CST ON MAY 31	13 3 ON MAY 30	0 2558 ON MAR 1	62 600	1984
1985	20.1 AT 18 30 CST ON APR 12	19 3 ON APR 12	0 180 ON OCT 15	72 900	1985
1986	16.7 AT 08 30 CST ON AUG 10	16 6 ON AUG 9	0 3078 ON MAR 18	88 600	1986
				70 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAKWA RIVER NEAR BROUN'S FARM - STATION NO. 06AD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	9.80	13.0	5.63	2.49	3.09	---	---	---	---	1933
1934	---	---	---	---	5.49	3.08	3.18	1.55	0.903	0.748	---	---	2.50	1934
1935	---	---	---	---	5.05	2.81	1.94	1.35	0.812	0.904	---	---	2.15	1935
1936	---	---	---	---	2.60	1.81	1.18	0.845	0.586	0.687	---	---	1.25	1936
1937	---	---	---	---	2.56	1.41	0.894	0.676	0.400	0.372	---	---	1.05	1937
1938	---	---	---	---	1.21	0.806	0.356	0.102	0.041	0.066	---	---	0.431	1938
1939	---	---	---	---	1.65	0.833	0.543	0.069	0.040	0.130	---	---	0.546	1939
1940	---	---	---	---	0.426	0.300	0.114	0.050	0.021	0.060	---	---	0.162	1940
MEAN	---	---	---	---	3.50	3.01	1.73	0.867	0.737	0.424	---	---	1.16	MEAN

LOCATION - LAT 54 12 00 N DRAINAGE AREA, 2 950 km²
LONG 108 47 00 W NATURAL FLOW

MAKWA RIVER NEAR BROUN'S FARM - STATION NO. 06AD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	17.8 ON JUN 1 *	---	---	1933
1934	---	13.6 ON MAY 1	0.660 ON OCT 30	39 700	1934
1935	---	9.97 ON MAY 1	0.527 ON SEP 24	34 100	1935
1936	---	4.11 ON MAY 3	0.498 ON AUG 11	19 900	1936
1937	---	3.28 ON MAY 12	0.326 ON SEP 19	16 700	1937
1938	---	1.47 ON JUN 1	0.006 ON SEP 7 *	6 850	1938
1939	---	2.44 ON MAY 1	0.023 ON SEP 7	8 680	1939
1940	---	0.634 ON MAY 1	0.017 ON SEP 30	2 570	1940
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 400	MEAN

MALONECK CREEK NEAR PELLY - STATION NO. 05LE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.47	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	2.31	1.23	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.697	3.80	---	---	---	---	---	---	---	---	1967
1969	---	---	---	2.15	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.66	1.26	---	---	---	---	---	---	---	---	1970
1971	---	---	---	3.63	---	---	---	---	---	---	---	---	---	1971
1974	---	---	0.006	2.90	2.98	0.345	0	0.043	0.124	0.170	---	---	0.817	1974
1975	---	---	0.084	3.02	1.20	1.02	0.211	0.034	0.207	0.085	---	---	0.724	1975
1976	---	---	0	3.00	0.254	1.97	0.293	0.015	0	0	---	---	0.679	1976
1977	---	---	0	0.808	0.168	0.061	0	0.014	0.147	0.093	---	---	0.159	1977
1978	---	---	0	1.43	0.188	0.035	0.010	0	0	0.023	---	---	0.207	1978
1979	---	---	0.001	2.08	2.40	0.261	0.002	0	0	0	---	---	0.590	1979
1980	---	---	0	1.06	0.024	0.002	0	0	0	0	---	---	0.133	1980
1981	---	---	0.036	0.198	0.081	0.013	0.001	0	0	0	---	---	0.041	1981
1982	---	---	0	0.008	0.004	0.061	0.124	0.013	0.001	0.001	---	---	0.026	1982
1983	---	---	0	1.82	0.816	0.124	1.59	0.284	0.010	0.054	---	---	0.586	1983
1984	---	---	0.183	1.51	1.76	1.18	0.044	0.001	0.009	0.049	---	---	0.589	1984
1985	---	---	0.006	3.11	0.476	0.188	0.011	0.006	0.004	0.035	---	---	0.470	1985
1986	---	---	0.040	2.68	0.564	0.203	0.337	0.045	0.011	0.100	---	---	0.491	1986
MEAN	---	---	0.027	1.87	1.08	0.419	0.202	0.035	0.039	0.047	---	---	0.424	MEAN

LOCATION - LAT 51 58 08 N DRAINAGE AREA, 180 km²
LONG 101 54 50 W NATURAL FLOW

MALONECK CREEK NEAR PELLY - STATION NO 05LE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	17.4 B AT 22 10 CST ON APR 19 *	13.5 B ON APR 21 *	0 ON JUN 26 *	17 300	1974
1975	12.6 B AT 18 29 CST ON APR 22	9.49 ON APR 25	0 ON AUG 8	15 300	1975
1976	15.7 B AT 19 55 CST ON APR 9	10.9 B ON APR 12	0 B ON MAR 1	14 400	1976
1977	4.11 AT 10 45 CST ON APR 12	3.82 ON APR 14	0 B ON MAR 1	3 380	1977
1978	---	8.01 B ON APR 20	0 B ON MAR 1	4 380	1978
1979	11.6 AT 23 14 CST ON APR 27	10.7 ON APR 28	0 B ON MAR 1	12 500	1979
1980	9.90 AT 19 42 CST ON APR 14	5.42 ON APR 14	0 B ON MAR 1	2 800	1980
1981	---	0.3508 ON APR 8	0 B ON MAR 1	864	1981
1982	0.697 AT 11 29 CST ON JUL 20	0.656 ON JUL 20	0 B ON MAR 1	559	1982
1983	13.4 AT 19 52 CST ON APR 25	12.2 ON APR 25	0 B ON MAR 1	12 400	1983
1984	4.50 B AT 18 01 CST ON APR 3	3.98 ON MAY 19	0 ON AUG 26	12 500	1984
1985	12.7 AT 13 15 CST ON APR 16	9.39 ON APR 16	0.0018 ON MAR 2	9 950	1985
1986	17.3 B AT 22 46 CST ON APR 6	12.7 B ON APR 8	0 B ON MAR 1	10 400	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 980	MEAN

MANN DITCH NEAR SKULL CREEK - STATION NO 05HA031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.022	0.002	0	0	0	0	0	---	---	0.003	1915
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0.004	0.014	0	0	0	0	0	0	---	---	0.002	1919
1920	---	---	0.030	0.019	0	0	0	0	0	0	---	---	0.006	1920
MEAN	---	---	0.011	0.018	0.001	0	0	0	0	0	---	---	0.004	MEAN

LOCATION - LAT 49 52 15 N
LONG 108 57 40 W
REGULATED

MANN DITCH NEAR SKULL CREEK - STATION NO 05HA031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.076 ON APR 2	0 ON MAR 1 *	61.8	1915
1918	---	---	OR ON MAY 2	---	1918
1919	---	0.065 ON MAR 31	0 ON MAR 1	46.8	1919
1920	---	0.142 ON MAR 21 *	0 ON MAR 1	132	1920
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		80.2	MEAN

MANYBONE CREEK NEAR KRONAU - STATION NO 05JF007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	0	0.900	0.097	0.055	---	---	---	---	---	---	---	1947
1948	---	---	0	0.835	0.113	0.018	0	0	0	0	---	---	---	1948
1950	---	---	0	0.091	0	0	---	---	---	---	---	---	---	1950
MEAN	---	---	0	0.609	0.070	0.024	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 17 01 N
LONG 104 14 47 W
DRAINAGE AREA 197 km^2
NATURAL FLOW

MANYBONE CREEK NEAR KRONAU - STATION NO 05JF007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	4.22 ON APR 14	0 ON MAR 1 *	---	1947
1948	---	9.60 ON APR 23 *	0B ON MAR 1	---	1948
1950	---	1.988 ON APR 15	0B ON MAR 1	---	1950
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MAPLE CREEK ABOVE BIGSTICK LAKE - STATION NO. 05HA068

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0	0	0	0	0	0	---	---	---	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	---	1945
1946	---	---	0	0	0	0	0	0	0	0	---	---	---	1946
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 11 10 N DRAINAGE AREA, 3 190 km²
LONG 109 27 10 W REGULATED

MAPLE CREEK ABOVE BIGSTICK LAKE - STATION NO. 05HA068

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	0 ON MAR 1 *	0 ON MAR 1 *	---	1944
1945	---	0 ON MAR 1	0 ON MAR 1	---	1945
1946	---	0 ON MAR 1	0 ON MAR 1	---	1946
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MAPLE CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	---	---	---	---	---	1908
1909	---	---	---	1.00	1.08	---	0.392	0.004	0.001	0.001	---	---	---	1909
1910	---	---	---	0.028	0.005	0.004	0.001	0.001	0	0	---	---	---	1910
1911	---	---	---	1.28	0.248	---	---	0	0.025	0.034	---	---	---	1911
1912	---	---	---	3.10	0.476	0.241	0.004	0.017	0	0	---	---	---	1912
1913	---	---	---	1.39	0.203	0.082	0.002	0	0	0	---	---	---	1913
1914	---	---	---	0.578	0.076	0.001	0	0	0	0.238	---	---	---	1914
1915	---	---	---	0.971	---	---	---	---	---	---	---	---	---	1915
1944	---	---	0.297	0.177	0.004	0.008	0.023	0.002	0	0	---	---	0.064	1944
1945	---	---	0.067	0.002	0.019	0.032	0	0	0	0	---	---	0.015	1945
1946	---	---	0.463	0.054	0.087	0.211	0.043	---	---	---	---	---	---	1946
1947	---	---	0.510	1.06	0.045	0.028	0.023	0.177	0.029	0.024	---	---	0.236	1947
1948	---	---	0.016	0.821	0.154	0.083	0.028	0.011	0	0	---	---	0.135	1948
1949	---	---	---	0	0	0	0	---	---	---	---	---	---	1949
1950	---	---	0	0.185	0.018	0.004	0.001	0.001	0	0	---	---	0.026	1950
1951	---	---	0	2.89	0.981	0.114	0.011	0.003	0.001	0	---	---	0.494	1951
1952	---	0.222	0.759	2.75	0.281	0.042	0.008	0.003	0	0.001	---	---	0.472	1952
1953	---	---	0.179	0.661	0.818	0.751	0.119	0.013	0.002	0.001	---	---	0.316	1953
1954	---	0.073	0.029	0.403	0.263	0.282	0.034	0.041	0.005	0.017	---	---	0.134	1954
1955	---	---	0.230	5.78	1.32	0.087	0.309	0.017	0.004	0.003	---	---	1.08	1955
1956	---	---	0.273	0.429	0.116	0.018	0.007	0.001	0	0	---	---	0.105	1956
1957	---	0.019	0.008	0.184	0.055	0.011	0.042	0.001	0.001	0	---	---	0.035	1957
1958	---	---	0	0.053	0.012	0.002	0.004	0.022	0	0	---	---	0.012	1958
1959	---	---	0.021	0.029	0.024	0.014	0.024	0.005	0	0.007	---	---	0.016	1959
1960	---	---	0.188	0.048	0.025	0.001	0.002	0.028	0.110	0.002	---	---	0.050	1960
1961	---	---	0.001	0.014	0.007	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0	0	0.004	0.017	0.037	0.006	0	0	---	---	0.008	1962
1963	---	0.154	0.004	0.001	0.028	0.029	0.014	0	0	0	---	---	0.009	1963
1964	---	---	0	0	0.026	0	0.007	0	0	0	---	---	0.004	1964
1965	---	---	0	0.456	0.076	0.129	0.111	0.014	0.003	0.010	---	---	0.089	1965
1966	---	---	0.097	0.142	0.088	0.073	0.038	0.016	0.018	0	---	---	0.059	1966
1967	---	---	0.141	0.548	1.52	0.100	0.042	0.005	0	0	---	---	0.295	1967
1968	---	---	0.015	0.022	0.017	0.003	0.005	0.028	0.007	0.002	---	---	0.013	1968
1969	---	---	0.078	0.248	0.227	0.017	0.111	0.030	0	0.003	---	---	0.089	1969
1970	---	---	0.013	0.589	0.697	0.125	0.182	0.040	0.040	0.001	---	---	0.211	1970
1971	---	0.184	0.035	0.805	0.377	0.049	0.059	0.028	0.004	0.013	---	---	0.170	1971
1972	---	---	0.041	0.025	0.033	0.141	0.025	0.010	0	0.010	---	---	0.035	1972
1973	---	---	0.033	0.030	0.011	0.002	0	0	0	0	---	---	0.009	1973
MEAN	---	0.126	0.121	0.750	0.261	0.079	0.048	0.015	0.007	0.011	---	---	0.150	MEAN

LOCATION - LAT 49 54 43 N DRAINAGE AREA, 453 km²
LONG 109 29 14 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

MAPLE CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	0R ON MAY 9 *	---	1908
1909	---	---	---	---	1909
1910	---	---	0 ON JUL 11	---	1910
1911	---	---	0 ON JUL 27	---	1911
1912	---	---	0 ON JUL 22	---	1912
1913	---	---	0 ON AUG 1	---	1913
1914	---	---	0E ON JUN 7	---	1914
1915	---	---	---	---	1915
1944	---	4.19 B ON MAR 18	0B ON MAR 27	1 350	1944
1945	---	0.2558 ON MAR 15	0B ON MAR 1	319	1945
1946	---	1.98 ON MAR 28	0B ON MAR 1	---	1946
1947	---	2.72 B ON MAR 23	0B ON MAR 1	4 990	1947
1948	---	3.99 ON APR 18	0B ON MAR 1	2 850	1948
1949	---	---	0 ON APR 1	---	1949
1950	---	1.12 ON APR 17	0B ON MAR 1	544	1950
1951	---	6.71 ON APR 30	0B ON MAR 1	10 500	1951
1952	---	8.04 ON APR 7	0B ON MAR 1	9 990	1952
1953	---	5.83 ON JUN 4	0B ON MAR 1	6 490	1953
1954	---	3.68 ON JUN 12	0B ON MAR 1	2 840	1954
1955	49.0 AT 07 00 MST ON APR 10 *	37.4 ON APR 10 *	0B ON MAR 1	22 900	1955
1956	---	2.04 B ON MAR 27	0B ON MAR 1	2 220	1956
1957	---	0.549 ON APR 23	0B ON MAR 1	739	1957
1958	---	0.419 ON AUG 23	0B ON MAR 1	245	1958
1959	---	0.306 ON APR 16	0B ON MAR 1	330	1959
1960	---	0.7658 ON MAR 19	0B ON MAR 1	1 060	1960
1961	---	0.042 ON APR 26	0B ON MAR 1	59.2	1961
1962	---	0.130 ON MAY 31	0 ON MAR 1	168	1962
1963	---	0.099 ON MAY 21	0B ON MAR 1	200	1963
1964	---	0.198 ON MAY 8	0 ON MAR 1	88.1	1964
1965	---	2.02 ON JUN 27	0B ON MAR 1	2 080	1965
1966	---	0.3458 ON MAR 14	0B ON MAR 1	1 250	1966
1967	---	6.65 ON MAY 8	0B ON MAR 11	6 250	1967
1968	---	0.0578 ON MAR 2	0B ON MAR 14	265	1968
1969	3.20 AT 03 30 MST ON APR 8	1.90 ON APR 8	0B ON MAR 1	1 890	1969
1970	7.82 AT 23 50 MST ON APR 25	5.32 ON APR 26	0B ON MAR 1	4 470	1970
1971	3.91 AT 09 07 CST ON APR 24	3.51 ON APR 24	0B ON MAR 23	3 600	1971
1972	2.86 AT 07 52 CST ON JUN 10	2.01 ON JUN 10	0B ON MAR 1	751	1972
1973	0.2588 AT 05 00 CST ON MAR 12	0.1368 ON MAR 12	0E ON JUL 7	200	1973
				3 170	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

MAPLE CREEK ABOVE TENAILLE LAKE RESERVOIR - STATION NO. 05HA067

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.050	0.020	0.385	0.315	0.228	0.001	0	---	---	0.125	1944
1945	---	---	0.023	0.088	0.406	0.156	0.006	---	---	---	---	---	---	1945
1946	---	---	0.093	0.272	0.201	0.150	0.006	0	0	0	---	---	0.090	1946
1947	---	---	0.078	0.221	0.986	0.736	0.387	0.045	0	0	---	---	0.301	1947
1948	---	---	0.789	1.25	1.16	0.158	0.883	0.210	0.275	0	---	---	0.591	1948
1949	---	---	0.034	0.223	0.036	0	0	---	---	---	---	---	---	1949
1950	---	---	0.018	0.011	0.295	0.001	0	0	0	0	---	---	0.041	1950
1951	---	---	0	2.65	---	0.142	0.100	0.086	0.450	0.581	---	---	---	1951
1952	---	---	3.13	8.56	0.922	0.071	0.336	0.397	0.018	0.123	---	---	1.88	1952
1953	---	---	0.125	0.711	1.82	9.24	0.474	0.242	0.011	0.008	---	---	1.56	1953
1954	---	---	0.044	0.186	0.348	0.584	0.193	0.056	0.032	1.15	---	---	0.323	1954
MEAN	---	---	0.394	1.29	0.617	1.06	0.244	0.140	0.087	0.207	---	---	0.589	MEAN

LOCATION - LAT 50 05 11 N
LONG 109 31 48 W
DRAINAGE AREA 1 560 km^2
REGULATED

MAPLE CREEK ABOVE TENAILLE LAKE RESERVOIR - STATION NO. 05HA067

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	1.59 ON AUG 7	0B ON MAR 1 *	2 840	1944
1945	---	---	0B ON MAR 1	---	1945
1946	---	1.29 ON MAR 4	0 ON MAR 1	1 900	1946
1947	---	2.86 ON MAY 30	0B ON MAR 1	8 380	1947
1948	---	2.86 ON MAR 22	0 ON MAR 1	12 500	1948
1949	---	---	0B ON MAR 1	---	1949
1950	---	2.44 ON MAY 18	0B ON MAR 1	884	1950
1951	---	13.7 ON APR 30	0B ON MAR 1	---	1951
1952	---	50.1 B ON MAR 30 *	0B ON MAR 1	35 600	1952
1953	---	42.5 E ON JUN 4	0B ON MAR 1	32 900	1953
1954	---	3.57 ON OCT 16	0 ON OCT 6	6 820	1954
				12 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAPLE CREEK AT MENELEY'S FARM - STATION NO 05HA019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.863	1.92	1.10	0.086	0.034	0.067	---	---	---	1915
1916	---	---	5.31	0.927	2.59	5.87	0.937	0.211	0.077	0.173	---	---	2.00	1916
1917	---	---	---	19.2	8.03	0.324	0.016	0.001	0.013	0.016	---	---	---	1917
1918	---	---	---	2.25	0.266	0.043	0.002	0	0	0.003	---	---	---	1918
1919	---	---	0.011	1.22	0.059	0.005	0	0	---	---	---	---	---	1919
1920	---	---	---	3.13	1.47	0.077	0.010	0	0	0	---	---	---	1920
1921	---	---	1.20	4.89	1.32	0.040	0.039	0	0.020	0.012	---	---	0.932	1921
1922	---	---	0.771	10.9	3.06	0.130	0.012	0.027	0.004	0.005	---	---	1.84	1922
1923	---	---	0.591	1.85	0.113	1.38	0.263	0.042	0.002	0.005	---	---	0.536	1923
1924	---	---	0.124	1.36	0.136	0.089	0.005	0.006	0	0	---	---	0.212	1924
1925	---	---	3.43	5.46	0.247	0.215	0.004	0	0.005	0.010	---	---	1.16	1925
1926	---	0.111	1.89	0.719	0.043	0.007	0.002	0	0	0	---	---	0.334	1926
1927	---	---	0.197	9.85	8.57	1.89	1.32	0.121	0.040	0.059	---	---	2.72	1927
1928	---	---	---	0.906	0.276	1.09	0.708	0.038	0.009	0.016	---	---	---	1928
1929	---	---	1.35	3.23	0.915	0.274	0.021	0	0	0	---	---	0.718	1929
1930	---	---	0.573	2.18	0.199	0.049	0.017	0	0.028	0.059	---	---	0.385	1930
1933	---	---	---	0.911	0.213	0.195	0.096	0	0	0	---	---	---	1933
1934	---	---	---	---	0.008	0.778	0.001	0	0	0	---	---	---	1934
1935	---	---	---	2.58	0.359	0.009	0	---	---	---	---	---	---	1935
1936	---	---	1.48	5.89	0.187	0.014	0	---	---	---	---	---	---	1936
1937	---	---	0.002	0.785	0.014	0	0.001	0	0	0	---	---	0.099	1937
1938	---	---	1.49	2.81	0.379	0.015	0.006	0	0.256	0.001	---	---	0.815	1938
1939	---	---	1.42	0.088	0.719	2.45	0.142	0	0	0.001	---	---	0.597	1939
MEAN	---	0.111	1.32	3.87	1.21	0.724	0.204	0.026	0.022	0.021	---	---	0.934	MEAN

LOCATION - LAT 49 57 36 N DRAINAGE AREA, 1 230 km²
LONG 109 30 36 W REGULATED

MAPLE CREEK AT MENELEY'S FARM - STATION NO 05HA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	---	---	---	1915
1916	---	45.6 ON JUN 12	0.009 ON SEP 10	42 300	1916
1917	---	42.8 ON APR 10	0 ON JUL 20 *	---	1917
1918	---	---	0 ON JUL 4	---	1918
1919	---	2.80 ON APR 3	0 B ON MAR 1	---	1919
1920	---	15.5 B ON MAR 22	0 ON JUL 30	---	1920
1921	---	21.4 ON APR 14	0 ON JUN 30	19 800	1921
1922	---	35.1 ON APR 23	0 ON MAR 1	38 800	1922
1923	---	15.5 ON JUN 22	0 ON SEP 8	11 300	1923
1924	---	10.0 ON APR 8	0 ON JUL 9	4 490	1924
1925	---	19.0 B ON MAR 30	0 B ON MAR 1	24 500	1925
1926	---	7.90 ON MAR 18	0 ON JUN 10	7 070	1926
1927	---	56.1 ON MAY 24 *	0 B ON MAR 1	57 500	1927
1928	---	13.3 B ON MAR 21	0 ON SEP 7	---	1928
1929	---	10.1 ON APR 18	0 B ON MAR 1	15 200	1929
1930	---	12.9 ON APR 4	0 ON JUL 29	8 150	1930
1933	---	---	0 ON JUN 19	---	1933
1934	---	---	0 ON MAY 20	---	1934
1935	---	13.2 ON APR 17	0 ON JUN 11	---	1935
1936	---	33.1 E ON APR 12	0 B ON MAR 1	---	1936
1937	---	4.67 ON APR 11	0 B ON MAR 1	2 110	1937
1938	---	13.8 ON APR 11	0 B ON MAR 1	13 000	1938
1939	---	10.6 ON MAR 22	0 B ON MAR 1	12 800	1939
				19 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO 05HA076

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	1.21	0.017	0.007	0.007	---	---	---	1973
1974	---	---	0.186	0.101	0.677	0.007	0.547	0.002	0.002	0.031	---	---	0.196	1974
1975	---	---	0.022	0.185	2.25	1.36	0.794	0.018	0.008	0.006	---	---	0.581	1975
1976	---	0.007	0.795	1.00	0.554	0.014	0.516	0.128	0.033	0.001	---	---	0.394	1976
1977	---	---	0.008	0.003	1.19	0.004	0.003	0.061	0.007	0.008	---	---	0.182	1977
1978	---	---	0.022	0.518	0.887	0.006	0.523	0.003	0.001	0.001	---	---	0.234	1978
1979	---	---	0.020	1.10	1.07	0.005	0.987	0.204	0.003	0.086	---	---	0.433	1979
1980	---	---	0.002	0.485	1.22	0.001	0.002	0.001	0.178	0.001	---	---	0.233	1980
1981	---	0.002	0.003	0.622	0.566	0.548	0.002	0.001	0.001	0.217	---	---	0.177	1981
1982	---	0.003	0.046	0.559	0.407	0.003	0.144	1.75	0.003	0.001	---	---	0.386	1982
1983	---	---	0.005	0.232	1.37	0.003	0.005	1.37	0.001	0.161	---	---	0.398	1983
1984	---	---	0.005	0.489	0.857	0	0	0	0.147	0.008	---	---	0.193	1984
1985	---	0	0.005	0.119	1.86	0.001	0	0	0.001	0.100	---	---	0.284	1985
1986	0.003	0.004	0.007	0.167	0.387	1.12	0.557	0.004	0.012	0.007	---	---	0.212	1986
MEAN	0.003	0.003	0.087	0.427	1.02	0.194	0.346	0.254	0.029	0.044	---	---	0.286	MEAN

LOCATION - LAT 49 48 52 N DRAINAGE AREA, 1 240 km²
LONG 109 31 22 W REGULATED

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO 05HA076

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	1.64 AT 19 49 CST ON JUL 12	1.59 ON JUL 13	0 ON SEP 23 *	4 150	1974
1975	15.2 AT 17 54 CST ON MAY 8 *	14.4 ON MAY 9 *	0B ON MAR 1	12 300	1975
1976	7.79 AT 01 42 CST ON MAR 20	3.79 ON MAR 20	0B ON MAR 1	8 330	1976
1977	1.84 AT 13 13 CST ON MAY 15	1.88 ON MAY 15	0 ON APR 25	3 430	1977
1978	2.71 AT 16 22 CST ON JUL 19	2.43 ON APR 25	0B ON MAR 1	4 970	1978
1979	5.76 AT 19 31 CST ON APR 17	2.85 ON APR 22	0B ON MAR 1	9 150	1979
1980	2.81 AT 17 32 CST ON MAY 7	2.80 ON MAY 8	0B ON MAR 1	4 940	1980
1981	3.26 AT 17 16 CST ON OCT 6	2.94 ON OCT 7	0 ON MAR 29	3 740	1981
1982	4.65 AT 14 02 CST ON AUG 10	4.54 ON AUG 11	0 ON APR 21	7 760	1982
1983	4.58 AT 03 19 CST ON AUG 12	4.23 ON AUG 12	0 ON AUG 29	6 420	1983
1984	2.46 AT 12 05 CST ON APR 24	2.29 ON APR 25	0 ON MAY 19	4 080	1984
1985	2.47 AT 05 12 CST ON MAY 23	2.43 ON MAY 22	0 ON JUN 7	5 590	1985
1986	2.59 AT 14 30 CST ON JUN 11	2.53 ON JUN 10	0 ON APR 9	4 490	1986
				5 280	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAPLE CREEK NEAR MAPLE CREEK - STATION NO 05HA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	1.51	0.780	0.051	---	---	---	---	---	---	---	1911
1912	---	---	---	1.98	0.476	0.325	0.015	0.092	0.005	0.005	---	---	---	1912
1913	---	---	---	1.50	0.114	0.015	0.012	0.004	0.003	0	---	---	---	1913
1914	---	---	---	0.578	0.074	0.006	0.006	0.025	0.024	0.461	---	---	---	1914
1915	---	---	---	0.702	0.061	0.235	0.505	0.008	0.016	0.010	---	---	---	1915
1916	---	---	---	0.330	0.365	1.47	0.098	0.023	0.012	0.015	---	---	---	1916
1917	---	---	---	5.26	1.71	0.106	0.015	0.015	0.013	0.016	---	---	---	1917
1918	---	---	---	0.863	0.205	0.033	0.005	0.007	0.005	0.004	---	---	---	1918
1919	---	---	B	0.218	0.012	0.008	0.003	0.002	0.001	0.001	---	---	0.030	1919
MEAN	---	---	0	1.44	0.422	0.250	0.083	0.023	0.010	0.084	---	---	0.030	MEAN

LOCATION - LAT 49 55 01 N DRAINAGE AREA, 458 km^2
LONG 109 29 05 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1914

MAPLE CREEK NEAR MAPLE CREEK - STATION NO 05HA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUL 1 *	---	1911
1912	---	6.88 ON APR 4	0 ON AUG 12	---	1912
1913	---	5.17 ON APR 6	0 ON OCT 3	---	1913
1914	---	4.11 ON MAR 14	0.001 ON SEP 2	---	1914
1915	---	3.40 ON APR 3	0 ON APR 24	---	1915
1916	---	5.58 ON JUN 12	0.012 ON SEP 1	---	1916
1917	---	12.3 ON APR 10 *	0 ON OCT 17	---	1917
1918	---	1.61 ON APR 13	0 ON AUG 1	---	1918
1919	---	0.850 ON APR 15	0 B ON MAR 1	634	1919
				634	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MARSHALL AND GAFF DITCH AT BATTLE CREEK - STATION NO 11AB043

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	B	0	0	0.376	0.112	0.079	0.085	0.195	---	---	0.105	1918
1919	---	---	B	0.106	0.189	B.087	0.023	0.027	0.050	0.065	---	---	0.069	1919
1920	---	---	0	0.046	0.052	0.140	0.034	0	0	0	---	---	0.034	1920
1921	---	---	0	0	0	---	0.066	0	0.026	0.085	---	---	---	1921
1922	---	---	0	0	0.065	0.105	0.088	0	0	0	---	---	0.034	1922
1923	---	---	0	0	0.037	0.103	0	0	0	0	---	---	0.017	1923
1924	---	---	0	0	0.022	0.048	0.016	0.008	0	0	---	---	0.012	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0.064	0.022	0	0	0	0	---	---	0.011	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0.074	0.020	0.034	0.065	0.002	0	---	---	0.022	1929
1930	---	---	0	0.032	0.055	0.025	0.003	0	0	0	---	---	0.014	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
MEAN	---	---	0	0.011	0.033	0.059	0.023	0.008	0.010	0.030	---	---	0.020	MEAN

LOCATION - LAT 49 55 19 N
LONG 109 49 24 W REGULATED

MARSHALL AND GEFF DITCH AT BATTLE CREEK - STATION NO 11AB043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 25 *	---	1911
1912	---	---	0 ON MAY 30	---	1912
1914	---	0 ON MAR 1	0 ON MAR 1	0	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	---	0 ON JUN 11	---	1917
1918	---	0.592 ON JUN 5 *	0 ON MAR 1	2 230	1918
1919	---	0.300 ON APR 21	0 ON MAR 1	1 470	1919
1920	---	0.416 ON APR 20	0 ON MAR 1	713	1920
1921	---	---	0 ON MAR 1	---	1921
1922	---	0.462 ON MAY 17	0 ON MAR 1	713	1922
1923	---	0.266 ON JUN 22	0 ON MAR 1	366	1923
1924	---	0.227 ON JUN 7	0 ON MAR 1	251	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0.167 ON JUN 20	0 ON MAR 1	227	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0.130E ON MAY 4	0 ON MAR 1	484	1929
1930	---	0.088E ON APR 20	0 ON MAR 1	302	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		421	MEAN

E - ESTIMATED

MCCARTHY BERTRAM AND SALT EAST DITCH NEAR PIAPOT - STATION NO 05HA033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.194	0	0	0	0	0	0	---	---	0.024	1915
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0	0	0.064	0	0	0	0	0	---	---	0.008	1919
1920	---	---	0	0	0.012	0.002	0	0	0	0	---	---	0.002	1920
1921	---	---	0	0	0.030	0.012	0	0	0	0	---	---	0.005	1921
MEAN	---	---	0	0.049	0.027	0.019	0	0	0	0	---	---	0.012	MEAN

LOCATION - LAT 49 56 30 N
LONG 109 06 55 W REGULATED

MCCARTHY BERTRAM AND SALT EAST DITCH NEAR PIAPOT - STATION NO 05HA033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.459 ON APR 17 *	0 ON MAR 1 *	503	1915
1917	---	---	0R ON JUN 20	---	1917
1918	---	---	0R ON MAY 2	---	1918
1919	---	0.159 ON MAY 15	0 ON MAR 1	171	1919
1920	---	0.172 ON JUN 20	0 ON MAR 1	192	1920
1921	---	0.096 ON MAY 26	0 ON MAR 1	112	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		245	MEAN
		R - REVISED SINCE JAN 1 1986			

MCCARTHY BERTRAM AND SALT WEST DITCH NEAR PIAPOT - STATION NO 05HA032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.124	0	0	0	0	0	0	---	---	0.015	1915
1919	---	---	0	0	0.050	0	0	0	0	0	---	---	0.006	1919
1920	---	---	0	0	0.013	0.002	0	0	0	0	---	---	0.002	1920
1921	---	---	0	0	0.033	0.009	0	0	0	0	---	---	0.004	1921
MEAN	---	---	0	0.031	0.022	0.018	0	0	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 56 30 N
LONG 109 06 50 W REGULATED

MCCARTHY BERTRAM AND SALT WEST DITCH NEAR PIAPOT - STATION NO 05HA032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.348 ON APR 10 *	0 ON MAR 1 *	321	1915
1919	---	0.144 ON MAY 17	0 ON MAR 1	134	1919
1920	---	0.193 ON JUN 20	0 ON MAR 1	196	1920
1921	---	0.076 ON MAY 22	0 ON MAR 1	84.2	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		184	MEAN

MCDONALD CREEK NEAR MCCORD - STATION NO 05JA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	---	---	---	---	---	---	1985
1986	---	---	0.715	---	---	---	---	---	---	---	---	---	---	1986
1987	---	---	2.02	1.44	---	---	---	---	---	---	---	---	---	1987
1988	---	---	0.405	1.80	0.155	0.008	0.080	0	0	0.003	---	---	0.301	1988
1970	---	---	1.10	0.320	0.241	0.250	0.002	0.001	0.004	0	---	---	0.240	1970
1971	---	---	0.308	0.941	0.029	0	0	0	0	0	---	---	0.158	1971
1972	---	---	0.578	0.039	0.011	0.082	0	0.015	0.010	0.001	---	---	0.093	1972
1973	---	---	0.080	0.050	0.022	0.005	0	0	0	0	---	---	0.015	1973
1974	---	---	3.50	0.557	0.532	0.014	0	0.001	0	0	---	---	0.454	1974
1975	---	---	0.004	1.70	0.626	0.027	0.002	0	0	0	---	---	0.292	1975
1976	---	---	1.79	0.101	0.004	0.001	0	0.257	0	0	---	---	0.273	1976
1977	---	---	0.006	0.035	0.083	0.003	0.001	0	0	0.001	---	---	0.015	1977
1978	---	---	3.85	0.271	0.031	0.009	0.715	0.001	0.039	0.001	---	---	0.595	1978
1979	---	---	3.31	1.01	0.193	0.035	0.001	0	0.002	0.001	---	---	0.559	1979
1980	---	---	0.891	0.114	0.001	0	0	0.001	0	0	---	---	0.102	1980
1981	---	---	0.015	0.002	0	0.177	0.128	0	0	0.001	---	---	0.040	1981
1982	---	0.883	1.87	0.303	0.501	0.137	0.006	0.015	0.001	0.001	---	---	0.332	1982
1983	---	0.025	0.037	0.021	0.102	0.004	0.020	0	0	0	---	---	0.022	1983
1984	---	0.001	0.010	0.005	0	0	0	0	0	0	---	---	0.002	1984
1985	---	0.106	0.820	0.017	0	0	0	0	0	0	---	---	0.081	1985
1986	---	1.39	0.931	0.028	0.108	0	0	0	0.001	0.001	---	---	0.083	1986
MEAN	---	0.385	0.884	0.481	0.147	0.042	0.052	0.015	0.003	0.001	---	---	0.203	MEAN

LOCATION - LAT 49 38 14 N DRAINAGE AREA 259 km^2
LONG 106 50 05 W NATURAL FLOW

MCDONALD CREEK NEAR MCCORD - STATION NO 05JA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	15.0 E ON APR 9	0E ON JUN 1 *	---	1985
1986	---	5.10 B ON MAR 12	0B ON MAR 1	---	1986
1987	---	14.2 B ON MAR 26	0B ON MAR 1	---	1987
1988	---	11.0 B ON APR 3	0 ON JUN 18	6 380	1988
1970	---	5.07 B ON MAR 21	0 ON JUN 4	5 080	1970
1971	12.3 B AT 03 30 CST ON MAR 31	9.23 B ON MAR 31	0B ON MAR 1	3 350	1971
1972	10.6 B AT 08 11 CST ON MAR 14	7.79 B ON MAR 14	0B ON MAR 1	1 880	1972
1973	0.8048 AT 08 10 CST ON MAR 6	0.1818 ON MAR 6	0 ON JUN 24	308	1973
1974	12.1 B AT 17 04 CST ON MAR 29	9.68 B ON MAR 29	0 ON JUN 18	9 800	1974
1975	19.3 AT 05 18 CST ON APR 22	13.6 ON APR 22	0B ON MAR 1	6 180	1975
1976	16.5 B AT 03 59 CST ON MAR 18	13.1 B ON MAR 18	0 ON MAY 24	5 770	1976
1977	0.885 AT 09 33 CST ON MAY 18	0.348 ON MAY 26	0 ON MAY 1	341	1977
1978	20.2 B AT 13 16 CST ON MAR 21	17.2 B ON MAR 21	0B ON MAR 1	12 800	1978
1979	44.9 B AT 17 16 CST ON MAR 17 *	35.8 B ON MAR 17 *	0B ON MAR 1	11 800	1979
1980	9.01 B AT 17 38 CST ON MAR 19	4.85 B ON MAR 19	0B ON MAR 1	2 150	1980
1981	4.83 AT 23 08 CST ON JUL 13	1.35 A ON JUN 15	0 ON APR 18	848	1981
1982	30.0 B AT 09 38 CST ON MAR 12	10.3 B ON MAR 12	0 ON AUG 7	7 020	1982
1983	0.937 AT 15 30 CST ON MAY 13	0.520 ON MAY 17	0 ON JUN 27	455	1983
1984	0.085 AT 14 48 CST ON MAR 26	0.081 ON MAR 26	0B ON MAR 8	39.9	1984
1985	7.94 B AT 21 46 CST ON MAR 12	4.07 B ON MAR 12	0 ON MAY 1	1 710	1985
1986	---	2.78 B ON MAR 1	0 ON JUN 4	1 770	1986
				4 300	MEAN

A - MANUAL GAUGE
(SEE REFERENCE (0088))
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCDONALD TRIBUTARY NEAR TOTNES - STATION NO 05HF015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.005	0.001	0.001	0	0	0	0	0	---	---	0.001	1968
1969	---	---	0	0.786	0.001	0	0.002	0	0	0.002	---	---	0.084	1969
1970	---	---	0	0.795	0.002	0.001	0	0	0	0	---	---	0.088	1970
1971	---	---	0	0.367	0.002	0	0.001	0	0	0	---	---	0.045	1971
1972	---	---	0.005	0.007	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0.015	0.004	0.001	0	0	0	0	0	---	---	0.002	1973
1974	---	---	0	0.523	0.022	0.025	0.004	0.076	0.001	0.001	---	---	0.080	1974
1975	---	---	0	0.674	0.026	0.001	0	0	0	0	---	---	0.086	1975
1976	---	---	0.033	0.228	0.001	0	0.001	0	0	0	---	---	0.033	1976
1977	---	---	0.001	0.002	0.041	0	0	0	0	0	---	---	0.006	1977
1978	---	---	0.021	0.056	0.003	0	0	0	0	0	---	---	0.011	1978
1979	---	---	0.004	0.022	0.001	0.002	0	0	0	0	---	---	0.004	1979
1980	---	---	0.008	0.003	0	0	0	0.003	0	0	---	---	0.002	1980
1981	---	0.001	0.007	0.003	0.001	0.001	0.003	0	0	0	---	---	0.002	1981
1982	---	---	0	0.226	0.006	0.003	0.031	0	0	0	---	---	0.033	1982
1983	---	0.001	0.089	0.036	0.004	0	0.003	0	0	0	---	---	0.014	1983
1984	---	---	0.005	0.005	0.001	0.004	0	0	0	0	---	---	0.002	1984
1985	---	---	0.024	0.470	0.002	0	0	0	0	0	---	---	0.081	1985
1986	---	0	0.005	0.001	0.011	0	0	0	0	0	---	---	0.002	1986
MEAN	---	0.001	0.011	0.221	0.007	0.002	0.002	0.004	0	0	---	---	0.030	MEAN

LOCATION - LAT 51 20 04 N DRAINAGE AREA 46.1 km²
LONG 108 26 56 W REGULATED SINCE 1967

MCDONALD TRIBUTARY NEAR TOTNES - STATION NO 05HF015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	0.026B AT 01 30 CST ON MAR 5	0.017B ON MAR 3	0B ON MAR 19 *	19.7	1968
1969	8.54 AT 17 30 CST ON APR 12	5.71 ON APR 13 *	0B ON MAR 1	1 890	1969
1970	7.25 B AT 19 00 CST ON APR 10	5.86 B ON APR 11	0B ON MAR 1	2 070	1970
1971	2.59 AT 12 08 CST ON APR 11	1.64 ON APR 12	0B ON MAR 1	960	1971
1972	0.552B AT 09 00 CST ON APR 2	0.136B ON APR 2	0B ON MAR 1	34.3	1972
1973	---	0.079A ON MAR 20	0 ON MAR 1	51.6	1973
1974	4.81 AT 02 15 CST ON APR 19	4.47 ON APR 19	0B ON MAR 1	1 700	1974
1975	4.80 AT 16 50 CST ON APR 20	4.36 ON APR 20	0B ON MAR 1	1 620	1975
1976	3.43 AT 10 04 CST ON APR 7	1.95 ON APR 7	0B ON MAR 1	688	1976
1977	0.855 AT 22 15 CST ON MAY 19	0.360 ON MAY 19	0 ON MAR 1	118	1977
1978	0.631B AT 15 38 CST ON MAR 30	0.362B ON MAR 30	0B ON MAR 1	236	1978
1979	0.589A AT 05 07 CST ON APR 19	0.298A ON APR 19	0B ON MAR 1	75.2	1979
1980	0.420 AT 22 30 CST ON AUG 15	0.070B ON MAR 28	0B ON MAR 1	37.3	1980
1981	0.209 AT 03 30 CST ON JUL 22	0.079 ON JUL 22	0 ON MAR 23	38.4	1981
1982	11.0 AT 19 22 CST ON JUL 2 *	1.18 ON APR 17	0B ON MAR 1	698	1982
1983	0.597B AT 09 31 CST ON MAR 30	0.511B ON MAR 30	0B ON MAR 1	294	1983
1984	0.068 AT 04 15 CST ON JUN 22	0.037 ON JUN 22	0B ON MAR 1	41.2	1984
1985	3.03 AT 04 16 CST ON APR 9	1.96 ON APR 9	0B ON MAR 1	1 290	1985
1986	0.268 AT 06 26 CST ON MAY 22	0.131 ON MAY 22	0B ON MAR 5	45.1	1986
				842	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCEACHERN CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	***	***	***	0.892	0.122	0.078	0.024	0	0	0.282	***	***	***	1924
1925	***	***	4.95	3.23	0.038	0.504	0.003	0	0.001	0.011	***	***	1.09	1925
1926	***	***	7.50	0.021	0.011	0.433	0.002	0	0	0	***	***	1.03	1926
1927	***	***	0.084	10.9	1.92	0.615	0.128	0.001	0	0.001	***	***	1.89	1927
1928	***	***	4.34	0.282	0.015	0.928	0.495	0.007	0	0	***	***	0.760	1928
1929	***	***	0.316	0.137	0.005	0.002	0	0	0	0	***	***	0.058	1929
1930	***	***	2.42	1.80	0.010	0.002	0	0	0	0	***	***	0.528	1930
1931	***	***	0.007	0.009	0.005	0.051	0.096	0	0	0	***	***	0.021	1931
1932	***	***	0.413	0.195	0.004	0.020	0	0.005	0	0	***	***	0.075	1932
1933	***	***	0.483	0.007	0.002	0	0	0.815	0.020	0.003	***	***	0.188	1933
1934	***	***	1.04	0.871	0.001	0	0	0	0	0	***	***	0.214	1934
1935	***	***	0.021	0.486	0.006	0	0	0	0	0	***	***	0.083	1935
1936	***	***	0	1.41	0.023	0	0	0	0	0	***	***	0.176	1936
1937	***	***	0	0.170	0	0	0	0	0	0	***	***	0.021	1937
1938	***	***	1.59	0.535	0.003	0.354	0.815	0	0	0	***	***	0.427	1938
1939	***	***	7.50	0.120	1.13	2.19	0.012	0.001	0	0	***	***	1.38	1939
1940	***	***	0	2.80	0.178	0.701	0.504	0.001	0	0	***	***	0.427	1940
1941	***	***	1.52	0.011	0.002	0.003	0.002	0	0	0	***	***	0.194	1941
1942	***	***	0.908	0.367	0.006	0.424	0.058	0.091	0.002	0.003	***	***	0.232	1942
1943	***	***	7.36	0.999	0.003	0.381	0.005	0	0	0	***	***	1.10	1943
1944	***	***	0.459	0.895	0.005	0.018	0	0	0	0	***	***	0.171	1944
1945	***	***	0.619	0.006	0.003	0.001	0	0	0	0	***	***	0.079	1945
1946	***	***	1.39	0.021	0.005	0.502	0	0	0	0	***	***	0.179	1946
1947	***	***	0.972	2.62	0.012	0.003	0	0	0	0	***	***	0.445	1947
1948	***	***	0.161	1.85	0.007	0.503	0.001	0	0	0	***	***	0.324	1948
1949	***	***	0.055	0.330	0	0	0	0	0	0	***	***	0.047	1949
1950	***	***	0	5.93	0.113	0.101	0.005	0	0	0	***	***	0.754	1950
1951	***	***	0	5.06	0.498	0.003	0.001	0	0	0	***	***	0.663	1951
1952	***	***	0	15.5	0.022	0.003	0.072	0.001	0	0	***	***	1.92	1952
1953	***	***	0.038	0.283	1.07	1.49	0.076	0	0	0	***	***	8.387	1953
1954	***	***	0.126	5.51	0.038	0.392	0.001	0.147	0	0	***	***	0.762	1954
1955	***	***	0.095	4.23	0.878	0.010	0	0	0	0	***	***	0.843	1955
1956	***	***	0.333	0.478	0.009	0.001	0	0	0	0	***	***	0.102	1956
1957	***	***	0.009	0.015	0	0	0	0	0	0	***	***	0.003	1957
1958	***	***	1.36	0.757	0.001	0	0	0	0	0	***	***	0.285	1958
1959	***	***	1.28	0.382	0.001	0	0	0	0	0	***	***	0.210	1959
1960	***	***	4.56	0.287	0.002	0	0	0	0	0	***	***	0.810	1960
1961	***	***	0.001	0	0	0	0	0	0	0	***	***	0	1961
1962	***	0.125	0.167	0.725	0	0.396	1.28	0.002	0	0	***	***	0.318	1962
1963	***	***	1.27	0.021	0.002	0.976	0.083	0	0	0	***	***	0.294	1963
1964	***	***	0	0	0.001	0.002	0	0	0	0	***	***	0	1964
1965	***	***	0	1.82	1.85	0.855	0.012	0	0	0	***	***	0.535	1965
1966	***	***	1.16	0.039	0.009	0	0	0	0	0	***	***	0.152	1966
1967	***	***	0	5.05	1.22	0.014	0	0	0	0	***	***	0.897	1967
1968	***	***	1.25	0.015	0.003	0	0	0	0	0	***	***	0.180	1968
1969	***	***	0	7.52	0.409	0.001	0.203	0	0	0	***	***	0.998	1969
1970	***	***	0.015	3.19	1.05	0.234	0.002	0	0	0	***	***	0.554	1970
1971	***	***	0	1.73	0.040	0.003	0	0	0	0	***	***	0.217	1971
1972	***	***	1.65	0.050	0.002	0.455	0	0	0	0	***	***	0.271	1972
1973	***	***	0.474	0	0	0	0	0	0	0	***	***	0.060	1973
1974	***	***	1.18	4.71	0.707	0.033	0.006	0.056	0	0	***	***	0.828	1974
1975	***	***	0.002	2.85	1.49	8.007	0.001	0.135	0.001	8.005	***	***	0.561	1975
1976	***	***	6.81	0.701	0.008	0.012	0.524	0.001	0	c	***	***	0.985	1976
MEAN	***	0.125	1.27	1.85	0.240	0.221	0.086	0.024	0	0.005	***	***	0.480	MEAN

LOCATION - LAT 48 59 30 N
LONG 105 55 40 W

DRAINAGE AREA, 443 km²
NATURAL FLOW

INTERNATIONAL GAUGING STATION

MCEACHERN CREEK AT INTERNATIONAL BOUNDARY - STATION NO 11AE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	3.82 E ON APR 3	0 ON JUN 21 *	---	1924
1925	82.6 ON MAR 29	41.3 ON MAR 29	0.0 ON MAR 1	23 100	1925
1926	---	26.9 ON MAR 17	0 ON JUL 19	21 600	1926
1927	90.3 AT 15:00 MST ON APR 9	59.2 ON APR 9	0.0 ON MAR 1	35 700	1927
1928	---	28.3 E ON MAR 21	0.0 ON MAR 1	16 100	1928
1929	---	1.78 E ON MAR 30	0 ON MAR 1	1 220	1929
1930	---	11.2 E ON MAR 23	0.0 ON MAR 1	11 200	1930
1931	30.7 AT 22:00 MST ON JUN 30	2.10 ON JUL 1	0 ON MAY 28	443	1931
1932	---	3.34 E ON MAR 26	0.0 ON MAR 4	1 590	1932
1933	20.9 AT 09:00 MST ON AUG 22	18.0 ON AUG 22	0.0 ON MAR 1	3 580	1933
1934	---	7.42 ON APR 2	0 ON MAY 14	4 530	1934
1935	---	5.95 ON APR 17	0 ON MAR 1	1 330	1935
1936	19.8 AT 16:00 MST ON APR 12	16.4 ON APR 12	0 ON MAR 1	3 720	1936
1937	1.12 AT 11:30 MST ON APR 11	1.06 ON APR 10	0 ON MAR 1	441	1937
1938	26.4 AT 15:00 MST ON MAR 17	12.1 ON MAR 17	0 ON MAR 1	9 030	1938
1939	106 AT 01:00 MST ON MAR 23	90.6 ON MAR 23	0 ON MAR 1	29 100	1939
1940	16.2 AT 19:30 MST ON APR 18	14.0 ON APR 18	0 ON MAR 1	8 050	1940
1941	---	9.63 E ON MAR 22	0 ON MAR 1	4 120	1941
1942	15.5 AT 14:45 MST ON JUN 29	9.00 ON JUN 29	0 ON MAR 1	4 900	1942
1943	97.4 AT 05:00 MST ON MAR 29	75.6 ON MAR 29	0 ON MAR 1	23 300	1943
1944	28.9 AT 13:00 MST ON APR 1	12.2 ON APR 1	0.0 ON MAR 1	3 510	1944
1945	6.00 AT 16:30 MST ON MAR 13	4.45 ON MAR 13	0 ON MAR 1	1 580	1945
1946	5.47 AT 17:30 MST ON MAR 20	5.18 ON MAR 20	0.0 ON MAR 1	3 790	1946
1947	9.83 AT 08:35 MST ON APR 3	8.69 ON APR 3	0 ON MAR 1	9 430	1947
1948	6.83 AT 13:30 MST ON APR 16	7.90 ON APR 16	0 ON MAR 1	4 740	1948
1949	2.10 AT 08:50 MST ON APR 3	1.93 ON APR 3	0 ON MAR 1	1 000	1949
1950	94.9 E AT 12:00 MST ON APR 16	51.8 ON APR 17	0 ON MAR 1	15 000	1950
1951	19.7 AT 10:00 MST ON APR 26	17.3 ON APR 26	0.0 ON MAR 1	14 400	1951
1952	200 AT 01:00 MST ON APR 15 *	112 ON APR 14 *	0 ON MAR 1	40 600	1952
1953	30.2 AT 11:00 MST ON JUN 3	18.5 ON JUN 3	0.0 ON MAR 1	7 770	1953
1954	140 AT 16:00 MST ON APR 5	92.3 E ON APR 5	0.0 ON MAR 1	15 200	1954
1955	35.0 E AT 10:00 MST ON APR 2	26.3 E ON APR 2	0.0 ON MAR 1	13 600	1955
1956	5.10 E AT 11:45 MST ON MAR 27	3.95 E ON MAR 27	0 ON MAR 1	2 180	1956
1957	0.108 AT 21:00 MST ON APR 1	0.105 ON APR 1	0 ON MAR 1	53.9	1957
1958	---	21.1 ON MAR 31	0 ON MAR 1	5 610	1958
1959	11.2 AT 17:20 MST ON MAR 27	8.84 ON MAR 28	0 ON MAR 1	4 450	1959
1960	45.4 AT 02:00 MST ON MAR 27	30.0 ON MAR 27	0 ON MAR 1	12 300	1960
1961	0.037 AT 05:00 MST ON MAR 22	0.035 ON MAR 22	0 ON MAR 1	2.85	1961
1962	22.6 AT 23:00 MST ON JUL 14	17.3 ON JUL 15	0 ON MAR 1	6 740	1962
1963	25.9 AT 04:00 MST ON JUN 22	16.7 ON JUN 22	0 ON MAY 18	6 220	1963
1964	0.040 AT 04:00 MST ON JUN 22	0.031 ON JUN 22	0 ON MAR 1	6.73	1964
1965	33.7 AT 02:00 MST ON MAY 7	27.2 ON MAY 7	0.0 ON MAR 1	11 400	1965
1966	14.5 AT 18:00 MST ON MAR 16	12.0 ON MAR 16	0 ON MAR 1	3 250	1966
1967	49.6 AT 02:00 MST ON APR 12	37.7 ON APR 12	0.0 ON MAR 1	19 000	1967
1968	7.31 E AT 21:00 MST ON MAR 5	5.01 E ON MAR 6	0 ON MAY 22	3 390	1968
1969	107 A AT 21:00 MST ON APR 6	62.9 A ON APR 7	0.0 ON MAR 1	21 100	1969
1970	48.7 AT 10:00 MST ON APR 7	39.2 ON APR 7	0 ON MAR 1	11 700	1970
1971	7.87 E AT 19:00 CST ON APR 11	6.31 E ON APR 11	0 ON MAR 1	4 590	1971
1972	18.3 E AT 01:00 MST ON MAR 18	13.7 E ON MAR 19	0.0 ON MAR 1	5 740	1972
1973	7.08 AT 10:00 MST ON MAR 14	1.78 ON MAR 14	0 ON MAR 1	1 270	1973
1974	34.0 E AT 03:00 CST ON MAR 31	29.2 E ON MAR 31	0 ON MAR 1	17 500	1974
1975	30.9 AT 03:30 CST ON MAY 7	17.4 ON MAY 7	0.0 ON MAR 1	11 300	1975
1976	89.1 E AT 04:00 CST ON MAR 20	59.7 E ON MAR 20	0.0 ON MAR 2	20 400	1976
				9 740	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCEACHERN CREEK AT MCCOY'S RANCH - STATION NO 11AE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.006	0.001	0	0	0	0	---	---	---	1914
1915	---	---	---	0.103	0.088	0.056	0.009	0.001	0	0	---	---	---	1915
1916	---	---	---	7.70	0.611	0.183	0.443	0.003	0	0	---	---	---	1916
1917	---	---	---	---	0.324	0.010	0	0	0	0	---	---	---	1917
1918	---	---	---	3.47	0.111	0	0	0.045	0.003	0	---	---	---	1918
1919	---	---	0.007	1.88	0.011	0	0	0	0	0	---	---	0.232	1919
1920	---	---	1.10	0.400	0.002	0	0	0	0	0	---	---	0.189	1920
1921	---	---	0.845	0.100	0.015	0.134	0.471	0	0	0	---	---	0.172	1921
1922	---	---	0	4.84	0.644	0.135	0.020	0	0	0	---	---	0.705	1922
1923	---	---	0	1.45	0.004	1.81	0.397	0.005	0	0	---	---	0.452	1923
MEAN	---	---	0.350	2.51	0.180	0.233	0.134	0.005	0	0	---	---	0.350	MEAN

LOCATION - LAT 49 00 10 N, LONG 106 55 20 W
DRAINAGE AREA 315 km^2
NATURAL FLOW

MCEACHERN CREEK AT MCCOY'S RANCH - STATION NO 11AE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON MAY 30 *	---	1914
1915	---	---	0 ON MAY 9	---	1915
1916	---	31.1 ON APR 12	0 ON AUG 10	---	1916
1917	---	---	0 ON JUL 10	---	1917
1918	---	17.1 ON APR 3	0 ON JUN 7	---	1918
1919	---	9.94 ON APR 2	0 ON MAR 1	4 910	1919
1920	---	12.5 B ON MAR 23	0B ON MAR 1	4 000	1920
1921	---	6.12 ON JUL 11	0 ON JUN 1	3 540	1921
1922	---	40.5 ON APR 5 *	0 ON MAR 1	14 900	1922
1923	---	18.8 ON JUN 22	0 ON MAR 1	9 570	1923
				7 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCKINNON DITCH NEAR CONSUL - STATION NO 11AB044

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
1913	---	---	0	0	0	0	0	0	0	0	---	---	0	1913
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	---	---	---	---	---	---	---	---	1917
1918	---	---	0	---	0	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0.042	0.047	0.078	0.012	0	0	0	---	---	0.022	1920
1921	---	---	0	---	---	---	---	0	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0.083	0.004	0	0	0	0	---	---	0.011	1923
1924	---	---	0	0	0.024	0.087	0.010	0	0	0	---	---	0.015	1924
1925	---	---	0	0	0.090	0.107	0.005	0	0	0	---	---	0.025	1925
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0.004	0	0	0	---	---	0.001	1929
1930	---	---	0	0.086	0.120	0.078	0.007	0	0	0	---	---	0.024	1930
1931	---	---	0	0.058	0.138	0.033	0	0	0	0	---	---	0.029	1931
1941	---	---	0	0.204	0.120	0.050	0	0	0	0	---	---	0.048	1941
1942	---	---	0	0.014	0.217	0.025	0	0	0	0	---	---	0.032	1942
1943	---	---	---	---	---	---	---	---	---	---	---	---	---	1943
1944	---	---	---	---	---	---	---	---	---	---	---	---	---	1944
1946	---	---	0.001	0	0	0.085	0.085	0.040	0	0.105	---	---	0.037	1946
1947	---	---	0	0.025	0.077	0.170	0.219	0	0	0	---	---	0.081	1947
1948	---	---	0	0	0	0.155	0.407	0.084	0	0	---	---	0.079	1948
1949	---	---	0	0.214	0.291	0.248	0.121	0.045	0	0	---	---	0.115	1949
1950	---	---	0	0.012	0.202	0.146	0.240	0.138	0	0	---	---	0.083	1950
1951	---	---	0	0	0.037	0.016	0.144	0.174	0	0	---	---	0.047	1951
1952	---	---	0	0	0	0.116	0.445	0.124	0.004	0	---	---	0.087	1952
1953	---	---	0	0.017	0.035	0	0.233	0.185	0.024	0	---	---	0.052	1953
1954	---	---	0	0	0.008	0.168	0.281	0.119	0	0	---	---	0.072	1954
1955	---	---	0	0.002	0.004	0.333	0.012	0.028	0	0.007	---	---	0.048	1955
1956	---	---	0	0	0.006	0.370	0.122	0.131	0	0.021	---	---	0.081	1956
1957	---	---	0	0	0.213	0.281	0.200	0.185	0.005	0	---	---	0.108	1957
1958	---	---	0.001	0.035	0.285	0.478	0.250	0.187	0.002	0	---	---	0.153	1958
1959	---	---	0	0.045	0.147	0.480	0.133	0.344	0	0.005	---	---	0.144	1959
1960	---	---	0	0	0.018	0.595	0.274	0.198	0	0.058	---	---	0.142	1960
1961	---	---	0	0.078	0.262	0.276	0.511	0.022	0	0.007	---	---	0.145	1961
1962	---	---	0	0.025	0.422	0.088	0.003	0	0	0.012	---	---	0.089	1962
1963	---	---	0	0.049	0.520	0.053	0	0	0	0	---	---	0.078	1963
1964	---	---	0	0	0.275	0.316	0.059	0.001	0	0	---	---	0.081	1964
1965	---	---	0	0	0.274	0.300	0	0.187	0	0	---	---	0.095	1965
1966	---	---	0	0	0.211	0.398	0.177	0.091	0	0	---	---	0.109	1966
1967	---	---	0	0	0	0.526	0.225	0.185	0	0	---	---	0.118	1967
1968	---	---	0	0	0.823	0.005	0.398	0.059	0	0	---	---	0.137	1968
1969	---	---	0	0	0.272	0.246	0.345	0.234	0	0	---	---	0.138	1969
1970	---	---	0	0	0.513	0.224	0.379	0.008	0	0	---	---	0.141	1970
1971	---	---	0	0	0.480	0.006	0.482	0.185	0	0	---	---	0.143	1971
1972	---	---	0	0	0.539	0	0.538	0.038	0	0	---	---	0.141	1972
1973	---	---	0	0	0.542	0	0.410	0.158	0	0	---	---	0.140	1973
1974	---	---	0	0	0	0.581	0.380	0.004	0	0	---	---	0.117	1974
1975	---	---	0	0	0	0.534	0.336	0.117	0	0	---	---	0.123	1975
1976	---	---	0	0	0.463	0.120	0.348	0	0	0	---	---	0.117	1976
1977	---	---	0	0	0.867	0	0.474	0.002	0	0	---	---	0.144	1977
1978	---	---	0	0	0.021	0.484	0	0	0	0	---	---	0.080	1978
1979	---	---	0	0	0.055	0.484	0.275	0	0	0	---	---	0.099	1979
1980	---	---	0	0	0.578	0.005	0.381	0	0	0	---	---	0.120	1980
1981	---	---	0	0.098	0.430	0	0	0	0	0	---	---	0.086	1981
1982	---	---	0	0	0	0.402	0	0	0	0	---	---	0.049	1982
1983	---	---	0	0	0.549	0	0	0	0	0	---	---	0.089	1983
1984	---	---	0	0	0.324	0	0	0	0	0	---	---	0.041	1984
1985	---	---	0	0	0.188	0.492	0	0	0	0	---	---	0.085	1985
1986	---	---	0	0	0.442	0.076	0	0	0	0	---	---	0.085	1986
MEAN	---	---	0	0.017	0.180	0.167	0.153	0.054	0.001	0.004	---	---	0.073	MEAN

LOCATION - LAT 49 20 00 N
LONG 109 29 40 W REGULATED

INTERNATIONAL GAUGING STATION

MCKINNON DITCH NEAR CONSUL - STATION NO 11AB044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---		0	ON OCT 20 *	---	1911
1912	---	0	ON MAR 1	0	ON MAR 1	0	1912
1913	---	0	ON MAR 1	0	ON MAR 1	0	1913
1914	---	0	ON MAR 1	0	ON MAR 1	0	1914
1915	---	0	ON MAR 1	0	ON MAR 1	0	1915
1916	---	0	ON MAR 1	0	ON MAR 1	0	1916
1917	---	---		0	ON MAR 1	---	1917
1918	---	---		0	ON MAR 1	---	1918
1919	---	---		0	ON JUL 18	---	1919
1920	---	0.331	ON APR 29	0	ON MAR 1	467	1920
1921	---	---		0E	ON MAR 1	---	1921
1922	---	0	ON MAR 1	0	ON MAR 1	0	1922
1923	---	0.178	ON MAY 11	0	ON MAR 1	233	1923
1924	---	0.184	ON JUN 11	0	ON MAR 1	315	1924
1925	---	0.229	ON MAY 18	0	ON MAR 1	531	1925
1927	---	0	ON MAR 1	0	ON MAR 1	0	1927
1928	---	0	ON MAR 1	0	ON MAR 1	0	1928
1929	---	0.025	ON JUL 5	0	ON MAR 1	10.8	1929
1930	---	0.184	ON APR 6	0	ON MAR 1	712	1930
1931	---	0.258	ON MAY 3	0	ON MAR 1	805	1931
1941	---	0.306	ON APR 11	0	ON MAR 1	882	1941
1942	---	0.348	ON APR 30	0	ON MAR 1	882	1942
1943	---	---		0	ON MAY 20	---	1943
1944	---	---		0	ON JUL 24	---	1944
1946	---	0.105E	ON OCT 1	0E	ON APR 1	787	1946
1947	---	0.379	ON MAY 16	0	ON MAR 1	1 300	1947
1948	---	0.541	ON JUL 21	0	ON MAR 1	1 850	1948
1949	---	0.640	ON APR 15	0	ON MAR 1	2 420	1949
1950	---	0.804	ON AUG 3	0	ON MAR 1	1 960	1950
1951	---	0.504	ON MAY 4	0	ON MAR 1	994	1951
1952	---	1.78	ON JUL 25	0	ON MAR 1	1 830	1952
1953	---	0.530	ON AUG 7	0	ON MAR 1	1 320	1953
1954	---	0.668	ON JUL 24	0	ON MAR 1	1 530	1954
1955	---	0.580	ON JUN 20	0	ON MAR 1	1 010	1955
1956	---	0.685	ON JUN 19	0	ON MAR 1	1 710	1956
1957	---	0.555	ON JUN 4	0	ON MAR 1	2 290	1957
1958	---	0.940	ON JUN 1	0E	ON MAR 1	3 230	1958
1959	---	0.821	ON JUN 8	0	ON MAR 1	3 040	1959
1960	---	0.980	ON JUN 7	0	ON MAR 1	3 010	1960
1961	---	0.681	ON JUL 29	0	ON MAR 1	3 070	1961
1962	---	0.799	ON MAY 25	0	ON MAR 1	1 460	1962
1963	---	0.629	ON MAY 25	0	ON MAR 1	1 650	1963
1964	---	0.578	ON JUN 29	0	ON MAR 1	1 720	1964
1965	---	0.977	ON JUN 5	0	ON MAR 1	2 010	1965
1966	---	1.13	ON MAY 30	0	ON MAR 1	2 310	1966
1967	---	0.889	ON JUN 8	0	ON MAR 1	2 500	1967
1968	---	0.958	ON MAY 20	0	ON MAR 1	2 910	1968
1969	---	1.28	ON JUL 29	0	ON MAR 1	2 920	1969
1970	---	1.48	ON JUL 24	0	ON MAR 1	2 990	1970
1971	---	1.41	ON JUL 30	0	ON MAR 1	3 040	1971
1972	---	1.44	ON JUL 20	0	ON MAR 1	2 980	1972
1973	---	1.21	ON MAY 27	0	ON MAR 1	2 970	1973
1974	---	1.45	ON JUN 18	0	ON MAR 1	2 480	1974
1975	---	1.93	ON JUN 18 *	0E	ON MAR 1	2 590	1975
1976	---	1.29	ON MAY 25	0	ON MAR 1	2 490	1976
1977	---	1.78	ON MAY 19	0	ON MAR 1	3 080	1977
1978	---	1.21	ON JUN 11	0	ON MAR 1	1 280	1978
1979	---	1.26	ON JUN 2	0	ON MAR 1	2 080	1979
1980	---	1.38	ON MAY 23	0	ON MAR 1	2 530	1980
1981	---	1.32	ON MAY 5	0	ON MAR 1	1 400	1981
1982	---	1.56	ON JUN 14	0	ON MAR 1	1 040	1982
1983	---	1.45	ON MAY 8	0	ON MAR 1	1 470	1983
1984	---	0.901	ON MAY 17	0	ON MAR 1	889	1984
1985	---	1.41	ON JUN 13	0	ON MAR 1	1 810	1985
1986	---	1.31	ON MAY 28	0	ON MAR 1	1 380	1986
						1 550	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCRAE COULEE AT INTERNATIONAL BOUNDARY - STATION NO 11AB070

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.551	0.355	0.844	0.050	0.013	0	0	0	---	---	---	1927
1928	---	---	0.028	0.518	0	0	0	0	0	0	---	---	---	1928
1929	---	---	0	0	0	0	0	0	0	0	0	0	---	1929
1930	0	0.057	0.752	0.095	0	0	0	0	0	0	0	0	0.076	1930
1931	0	0	0	0	0	0.034	0.007	0	0	0	0	0	0.003	1931
1932	0	0	0.017	0.002	0	0	0	0	0	0	0	0	0.002	1932
1933	0	0	0	0	0	0.001	0	0.002	0.004	0	0	0	0.001	1933
1934	0	0.036	0.282	0.017	0	0	0	0	0	0	0	0	0.026	1934
1935	0	0	0.228	0.140	0	0	0.071	0	0	0	0	0	0.037	1935
1936	0	0	0	0.535	0	0	0	0	0	0	0	0	0.044	1936
1937	0	0	0.007	0.383	0	0	0	0	0	0	0	0	0.032	1937
1938	---	---	0.359	0.051	0.004	0.002	0	0	0	0	---	---	---	1938
1939	---	---	0.525	0	0	0	0	0	0	0	---	---	---	1939
1940	---	---	0	1.25	0.029	0	0	0	0	0	---	---	---	1940
1941	---	---	0.866	0	0	0	0	0	0	0	---	---	---	1941
1942	---	---	0.015	0.002	0	0.081	0	0	0	0	---	---	---	1942
1943	---	---	1.83	0.047	0	0	0	0	0	0	---	---	---	1943
1944	---	---	0.003	0	0	0.002	0.347	0	0	0	---	---	---	1944
1945	---	---	0.243	0	0	0	0	0	0	0	---	---	---	1945
1946	---	---	0.184	0	0	0	0	0	0	0	---	---	---	1946
1947	---	---	0.557	0.121	0	0	0	0	0	0	0	0	---	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	---	1949
1950	---	---	0	0.845	0	0	0	0	0	0	---	---	---	1950
1951	---	---	0	0.550	0.002	0	0	0.001	0.001	0	---	---	---	1951
MEAN	0	0.009	0.263	0.196	0.035	0.006	0.018	0	0	0	0	0	0.025	MEAN

LOCATION - LAT 49 01 00 N LONG 109 43 10 W DRAINAGE AREA 157 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE FOR 1952 WAS 32.8 m³/s ON APR 07

MCRAE COULEE AT INTERNATIONAL BOUNDARY - STATION NO 11AB070

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1927	---	10.7 ON MAY 23	0 ON MAR 1 *	---	1927
1928	4.70 AT 17 00 MST ON APR 2	3.23 B ON APR 3	0 ON MAR 1	---	1928
1929	0 AT 00 00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	---	1929
1930	4.87 B ON MAR 25	3.84 B ON MAR 25	0 ON JAN 1	2 400	1930
1931	4.25 ON JUN 30	1.02 ON JUN 30	0 ON JAN 1	106	1931
1932	0.3808 AT 20 00 MST ON MAR 24	0.0848 ON MAR 25	0 ON JAN 1	50.3	1932
1933	0.113 AT 11 00 MST ON JUN 29	0.074 ON AUG 22	0 ON JAN 1	17.7	1933
1934	---	0.7088 ON MAR 1	0 ON JAN 1	838	1934
1935	10.2 AT 19 00 MST ON JUL 21	2.18 B ON MAR 24	0 ON JAN 1	1 170	1935
1936	16.7 AT 23 00 MST ON APR 12	7.90 ON APR 12	0 ON JAN 1	1 380	1936
1937	6.12 AT 23 30 MST ON APR 7	4.05 ON APR 8	0 ON JAN 1	1 010	1937
1938	10.7 AT 01 00 MST ON MAR 27	4.38 ON MAR 27	0 ON MAR 1	---	1938
1939	8.91 AT 23 30 MST ON MAR 23	5.44 ON MAR 23	0 ON MAR 1	---	1939
1940	17.6 AT 23 00 MST ON APR 19	11.4 ON APR 19	0 ON MAR 1	---	1940
1941	14.5 B AT 22 00 MST ON MAR 21	8.58 B ON MAR 21	0.08 ON MAR 1	---	1941
1942	1.16 AT 21 30 MST ON JUN 6	0.584 ON JUN 7	0 ON MAR 1	---	1942
1943	27.8 ON MAR 29 *	25.0 ON MAR 29 *	0 ON MAR 1	---	1943
1944	23.4 AT 11 30 MST ON JUL 5	8.04 ON JUL 5	0 ON MAR 1	---	1944
1945	3.57 AT 21 00 MST ON MAR 19	2.32 ON MAR 20	0 ON MAR 1	---	1945
1946	1.61 AT 21 00 MST ON MAR 11	1.15 ON MAR 11	0 ON MAR 1	---	1946
1947	10.5 AT 22 00 MST ON MAR 30	7.05 ON MAR 30	0.08 ON MAR 1	---	1947
1948	0 AT 00 00 MST ON MAR 1	0 ON JAN 1	0 ON JAN 1	0	1948
1949	0 AT 00 00 MST ON MAR 1	0 ON JAN 1	0 ON JAN 1	---	1949
1950	13.5 AT 12 45 MST ON APR 7	5.03 ON APR 13	0 ON MAR 1	---	1950
1951	---	4.81 B ON APR 10	0 ON MAR 1	---	1951
				776	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCSHANE CREEK AT SMALL'S RANCH - STATION NO 05HA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	0.161	---	0.009	0	0	0	---	---	---	1909
1910	---	---	---	---	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.051	0.018	0.003	0.015	0.003	0.031	0.005	---	---	---	1911
1912	---	---	---	0.161	0.084	0.021	0	0.004	0	0	---	---	---	1912
1913	---	---	---	---	0.033	0.004	0.005	---	---	---	---	---	---	1913
1914	---	---	---	0.107	0.007	0	0	0	0.032	0.141	---	---	---	1914
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	0.100	0.057	0.007	0.006	0.002	0.016	0.037	---	---	---	MEAN

LOCATION - LAT 49 47 10 N LONG 109 35 42 W DRAINAGE AREA 46.6 km² NATURAL FLOW

MCSHANE CREEK AT SMALL'S RANCH - STATION NO 05HA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON JUN 1 *	---	1909
1910	---	---	0 ON APR 23	---	1910
1911	---	---	0 ON APR 2	---	1911
1912	---	---	0 ON MAY 26	---	1912
1913	---	---	0 ON APR 22	---	1913
1914	---	---	0 ON MAR 20	---	1914
1915	---	---	0 ON AUG 26	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MEADOW RIVER BELOW MEADOW LAKE - STATION NO 05AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	14.1	21.0	6.21	3.49	2.38	2.01	1.91	1.43	0.937	---	1958
1960	---	---	---	30.6	38.3	25.7	12.4	5.26	3.83	2.74	2.19	---	---	1960
1961	---	---	---	---	5.80	3.21	2.37	2.03	1.48	0.885	---	---	---	1961
1964	---	---	---	2.09	4.38	2.90	1.83	1.28	0.828	0.704	---	---	---	1964
1968	---	---	---	---	1.59	---	---	---	---	---	---	---	---	1968
1974	---	---	---	16.5	49.0	---	---	---	---	---	---	---	---	1974
1975	---	---	0.283	1.96	10.4	10.6	14.5	9.30	4.89	2.50	---	---	---	1975
1976	---	---	0.335	3.79	2.54	0.937	1.11	1.05	0.736	0.672	0.295	0.069	---	1976
1977	0.015	0.041	0.144	1.71	4.77	5.15	1.51	1.01	0.750	1.06	0.385	0.546	1.43	1977
1978	0.555	0.178	0.612	4.06	18.3	11.0	3.20	1.18	0.827	0.500	0.223	0.089	3.41	1978
1979	0.008	0	0.003	1.08	11.1	9.51	5.26	2.88	1.70	1.02	0.869	0.299	2.81	1979
1980	0	0	0	2.92	3.67	1.31	0.983	0.842	1.69	2.38	1.23	0.553	1.30	1980
1981	0.097	0.088	0.696	4.18	4.82	1.57	0.589	0.203	0.065	0.026	0.039	0.027	1.04	1981
1982	0.014	0	0	0.920	12.2	4.25	1.41	0.368	0.113	0.457	0.408	0.408	1.73	1982
1983	0.579	0.726	0.788	2.36	4.20	1.53	0.770	0.306	0.207	0.225	0.223	0.118	1.01	1983
1984	0.008	0	0.002	1.56	7.10	21.6	9.73	2.87	1.40	0.974	0.932	0.544	3.87	1984
1985	0.007	0	0	7.75	30.3	17.5	6.43	2.87	1.47	0.891	0.172	0	5.65	1985
1986	0	0	0.046	5.24	8.31	7.50	5.40	8.44	2.94	1.23	0.789	0.774	3.41	1986
MEAN	0.128	0.103	0.244	5.30	13.2	8.15	4.47	2.82	1.56	1.14	0.707	0.364	2.57	MEAN

LOCATION - LAT 54 08 10 N DRAINAGE AREA, 3 340 km^2
LONG 108 23 40 W NATURAL FLOW

MEADOW RIVER BELOW MEADOW LAKE - STATION NO 05AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1964	---	---	---	---	1964
1968	---	---	---	---	1968
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	12.7 AT 13 08 CST ON MAY 29	10.8 ON MAY 29	0 B ON JAN 15 *	45 000	1977
1978	23.6 AT 19 47 CST ON MAY 12	22.4 ON MAY 11	0 0378 ON DEC 30	108 000	1978
1979	12.6 AT 21 23 CST ON MAY 19	12.0 ON MAY 18	0 B ON JAN 20	88 600	1979
1980	7.61 AT 12 43 CST ON APR 29	6.89 ON APR 28	0 B ON JAN 1	41 200	1980
1981	7.43 AT 09 47 CST ON MAY 1	6.34 ON MAY 1	0 004 ON OCT 17	32 600	1981
1982	15.7 AT 15 21 CST ON MAY 13	15.2 ON MAY 11	0 B ON FEB 4	54 500	1982
1983	7.12 AT 18 49 CST ON MAY 7	5.70 ON MAY 7	0 0418 ON DEC 31	31 800	1983
1984	27.4 AT 11 45 CST ON JUN 19	26.6 ON JUN 18	0 B ON JAN 18	122 000	1984
1985	39.9 AT 15 38 CST ON MAY 10 *	38.9 ON MAY 11 *	0 B ON JAN 17	178 000	1985
1986	15.1 AT 01 15 CST ON MAY 22	13.2 ON MAY 29	0 B ON JAN 1	107 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80 900	MEAN

MEADOW RIVER NEAR MEADOW LAKE - STATION NO 05AD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	30.9	51.1	18.7	7.45	6.48	---	---	---	---	1933
1934	---	---	---	---	13.1	8.13	9.40	3.70	4.36	---	---	---	---	1934
1935	---	---	---	---	12.5	3.76	2.79	1.81	0.549	0.508	---	---	3.87	1935
1936	---	---	---	---	7.07	2.45	1.41	0.265	0.141	0.369	---	---	1.96	1936
1937	---	---	---	---	9.61	4.21	1.39	0.328	0.048	0.002	---	---	2.80	1937
1938	---	---	---	---	1.18	0.797	0.424	0.057	0.005	0.001	---	---	0.410	1938
1939	---	---	---	---	1.11	1.06	1.31	0.246	0.057	0.040	---	---	0.839	1939
1940	---	---	---	---	0.385	0.211	0.106	0.046	0.001	0	---	---	0.125	1940
MEAN	---	---	---	---	9.48	8.96	4.44	1.74	1.46	0.153	---	---	1.57	MEAN

LOCATION - LAT 54 13 30 N
LONG 108 22 30 W
DRAINAGE AREA, 3 420 km²
NATURAL FLOW

MEADOW RIVER NEAR MEADOW LAKE - STATION NO 05AD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1933	---	86.8 ON JUN 2 *	---	---	1933
1934	---	17.0 E ON MAY 1	---	---	1934
1935	---	20.4 ON MAY 6	0.051 ON SEP 30	58 400	1935
1936	---	10.0 ON MAY 2	0.057 ON SEP 11	31 100	1936
1937	---	11.9 ON MAY 18	0 ON SEP 24 *	41 300	1937
1938	---	1.44 ON MAY 11	0 ON SEP 2	6 530	1938
1939	---	2.01 ON JUL 10	0.031 ON OCT 2	10 200	1939
1940	---	0.844 ON MAY 26	0 ON SEP 10	1 890	1940
				24 900	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MELFORT CREEK NEAR MELFORT - STATION NO 05KB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	0.393	0.244	0.090	0.009	0.005	0.001	0	---	1928
1929	0	0	0	2.09	0.471	0.154	0.114	0.006	0	0	0	0	0.234	1929
1930	0	0	0	0.282	0.153	0.051	0.056	0.002	0.004	0.035	0.022	0	0.051	1930
1931	0	0.003	0.047	0.205	---	---	---	---	---	---	---	---	---	1931
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	10.3	---	---	---	---	---	---	---	---	---	1974
MEAN	0	0.001	0.012	3.22	0.312	0.199	0.138	0.033	0.004	0.013	0.008	0	0.143	MEAN

LOCATION - LAT 52 50 28 N
LONG 104 32 26 W
DRAINAGE AREA, 417 km²
REGULATED

MELFORT CREEK NEAR MELFORT - STATION NO 05KB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1928	---	---	0 ON SEP 22 *	---	1928
1929	---	5.47 B ON APR 20 *	08 ON JAN 1	7 390	1929
1930	---	0.775 ON APR 10	08 ON JAN 1	1 590	1930
1931	---	---	08 ON JAN 1	---	1931
1972	112 ON APR 24 *	---	---	---	1972
1974	---	---	---	---	1974
				4 490	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE CREEK ABOVE LODGE CREEK - STATION NO. 11AB008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	0.212	0.112	0.059	0.171	0	1.25	0.042	---	---	---	1911
1912	---	---	---	5.83	0.361	0.078	0	0	0	0	---	---	---	1912
1913	---	---	---	4.39	0.190	0.034	0.046	0	0	0	---	---	---	1913
1914	---	---	---	1.59	0.035	0	0	0	0	0.179	---	---	---	1914
1915	---	---	1.41	2.15	0.021	0.029	0.217	0.268	0.031	0.039	---	---	0.517	1915
1916	---	---	---	0.684	0.313	0.694	0.492	0.091	0.016	0.036	---	---	---	1916
1917	---	---	0	12.9	2.93	0.060	0.051	0	0	0	---	---	1.97	1917
1918	---	---	---	7.29	0.319	0.013	0	0	0	0	---	---	---	1918
1919	---	---	0	0.631	0.045	0.001	0	0	0	0	---	---	0.083	1919
1920	---	---	0.125	1.57	1.08	0.808	0.097	0	0	0	---	---	0.431	1920
1921	---	---	0.023	2.61	0.508	0.027	0.065	0	0	0	---	---	0.384	1921
1922	---	---	0	7.23	1.36	0.067	0.015	0	0	0	---	---	1.07	1922
1923	---	---	0.015	1.01	0.072	0.851	0.895	0.081	0.001	0	---	---	0.375	1923
1924	---	---	0	0.606	0.034	0.507	0.003	0.051	0	0	---	---	0.147	1924
1925	---	---	1.57	4.45	0.129	0.144	0.001	0	0	0	---	---	0.777	1925
1926	---	---	0.802	0.173	0.005	0	0.537	0	0	0	---	---	0.191	1926
1927	---	---	1.23	5.88	6.32	0.853	0.224	0.041	0	0.029	---	---	1.82	1927
1928	---	---	3.06	2.16	0.076	0.010	0.011	0.002	0	0	---	---	0.663	1928
1929	---	---	0.086	1.78	0.774	0.051	0	0	0	0	---	---	0.333	1929
1930	---	0.058	0.638	1.78	0.053	0.007	0	0	0	0	---	---	0.306	1930
1931	---	---	0.038	0.023	0	0	0	0	0	0	---	---	0.008	1931
1932	---	---	0.016	0.380	0.040	1.08	0.010	0	0	0	---	---	0.185	1932
1933	---	---	0.023	0.139	0.003	0	0.542	0	0	0	---	---	0.089	1933
1934	---	---	0.002	0.010	0.118	0	0	0	0	0	---	---	0.016	1934
1935	---	---	0	1.13	0.180	1.73	0.586	0.006	0.017	0.027	---	---	0.489	1935
1936	---	---	0.782	0.873	0.218	0.076	0.018	0	0	0.072	---	---	0.252	1936
1937	---	---	0.040	1.71	1.82	0.061	0.111	0	0	0.016	---	---	0.442	1937
1938	---	---	0.089	0.249	0.042	0.092	0	0	0	0	---	---	0.058	1938
1939	---	---	---	1.37	0.018	0.001	0	0	0	0	---	---	---	1939
1970	---	---	0.011	0.293	0.566	0.004	0	0	0	0.018	---	---	0.112	1970
1971	---	---	---	0.618	0.056	0.005	0.003	0.189	0.008	0.011	---	---	---	1971
1972	---	---	---	0.115	0.050	0.525	0.124	0	0	0.005	---	---	---	1972
1973	---	---	0.177	0.100	0.130	0.036	0	0	0	0	---	---	0.056	1973
1974	---	---	0.083	0.384	0.356	0.074	0.001	0.128	0.013	0	---	---	0.128	1974
1975	---	---	0	0.824	0.582	0.352	0.017	0	0	0.016	---	---	0.222	1975
1976	---	---	0.419	0.070	0.039	0.012	0.001	0	0	0	---	---	0.068	1976
1977	---	---	0.044	0.007	0.255	0.020	0	0	0	0	---	---	0.041	1977
1978	---	---	0.006	0.892	0.056	0.033	0.004	0.002	0.001	0	---	---	0.122	1978
1979	---	---	0.716	0.304	0.108	0.017	0.014	0	0	0	---	---	0.145	1979
1980	---	---	0.004	0.008	0.227	0.047	0.002	0	0	0	---	---	0.036	1980
1981	---	---	0.031	0	0.113	0.017	0	0	0	0	---	---	0.020	1981
1982	---	---	0	0.580	0.123	0.080	0	0	0	0	---	---	0.096	1982
1983	---	---	0.011R	0.003	0.018	0	0	0	0	0	---	---	0.004R	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0.203	0.178	0.004	0	0	0	---	---	0.048	1985
1986	---	0.134	0.882	0.030	0.082	0.002	0	0	1.79	0.236	---	---	0.375	1986
MEAN	---	0.096	0.333R	1.65	0.434	0.186	0.087	0.019	0.068	0.016	---	---	0.326	MEAN

LOCATION - LAT 49 05 01 N LONG 109 49 02 W DRAINAGE AREA, 717 km² REGULATED INTERNATIONAL GAUGING STATION R - REVISED SINCE JAN 1986

MIDDLE CREEK ABOVE LODGE CREEK - STATION NO 11AB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	12.8 ON SEP 6	0 ON MAR 14 *	---	1911
1912	---	25.0 E ON APR 5	0E ON APR 1	---	1912
1913	---	---	0 ON JUL 12	---	1913
1914	---	---	0 ON MAY 22	---	1914
1915	---	11.9 ON APR 5	0B ON MAR 1	11 000	1915
1916	---	---	0 ON AUG 27	---	1916
1917	---	22.7 ON APR 22	0B ON MAR 1	41 700	1917
1918	---	---	0 ON JUL 9	---	1918
1919	---	1.98 ON APR 22	0B ON MAR 1	1 780	1919
1920	---	6.12 ON JUN 18	0B ON MAR 1	9 130	1920
1921	---	14.8 ON APR 16	0B ON MAR 1	8 410	1921
1922	---	33.1 ON APR 24 *	0B ON MAR 1	22 800	1922
1923	---	11.7 ON JUN 22	0B ON MAR 1	7 930	1923
1924	---	4.30 ON JUN 8	0B ON MAR 1	3 110	1924
1925	---	15.1 ON APR 24	0B ON MAR 1	16 400	1925
1926	---	6.44 ON JUL 3	0 ON MAY 16	4 050	1926
1927	---	31.7 E ON MAY 23	0B ON MAR 1	38 400	1927
1928	---	24.1 B ON MAR 26	0B ON MAR 1	14 000	1928
1929	---	5.44 ON APR 24	0B ON MAR 1	7 050	1929
1930	---	11.4 ON APR 6	0 ON JUN 17	6 480	1930
1931	---	0.2298 ON MAR 23	0B ON MAR 1	182	1931
1982	18.8 AT 12 00 MST ON JUN 14	13.3 ON JUN 14	0B ON MAR 1	3 910	1982
1983	3.45 AT 22 00 MST ON JUL 5	3.37 ON JUL 6	0 ON MAY 6	1 880	1983
1984	1.93 AT 22 00 MST ON MAY 14	1.88 ON MAY 15	0B ON MAR 1	347	1984
1985	12.5 AT 19 00 MST ON JUN 26	9.17 ON JUN 27	0B ON MAR 1	9 920	1985
1986	10.0 AT 13 30 MST ON MAR 31	7.70 ON MAR 31	0B ON MAR 1	5 320	1986
1987	---	4.96 ON MAY 8	0B ON MAR 1	9 380	1987
1988	0.988 AT 10 00 MST ON APR 2	0.871 ON APR 3	0 ON MAY 21	1 240	1988
1989	13.1 AT 11 11 MST ON APR 7	11.3 ON APR 7	0 ON JUN 3	---	1989
1970	1.88 AT 23 15 MST ON MAY 12	1.50 ON MAY 17	0B ON MAR 1	2 370	1970
1971	1.67 B AT 10 20 CST ON APR 10	1.59 B ON APR 10	0 ON JUN 4	---	1971
1972	4.16 AT 05 20 CST ON JUN 25	3.54 ON JUN 25	0 ON JUN 17	---	1972
1973	1.54 B AT 13 00 CST ON MAR 8	1.02 B ON MAR 8	0B ON MAR 1	1 180	1973
1974	1.27 B AT 12 48 CST ON MAR 30	1.21 ON MAY 23	0B ON MAR 1	2 720	1974
1975	4.53 AT 05 40 CST ON MAY 8	3.79 ON MAY 8	0B ON MAR 1	4 700	1975
1976	---	1.88 B ON MAR 21	0 ON MAY 15	1 440	1976
1977	1.07 AT 05 19 CST ON MAY 16	0.909 ON MAY 16	0 ON MAY 2	870	1977
1978	5.78 AT 22 00 CST ON APR 5	4.84 ON APR 5	0B ON MAR 1	2 580	1978
1979	---	2.50 B ON MAR 18	0B ON MAR 1	3 080	1979
1980	0.459 AT 08 16 CST ON MAY 27	0.431 ON MAY 27	0B ON MAR 1	787	1980
1981	0.688 AT 20 22 CST ON MAY 31	0.408 ON MAY 24	0B ON MAR 28	430	1981
1982	---	2.34 ON APR 25	0B ON MAR 1	2 040	1982
1983	0.119 AT 00 35 CST ON MAY 17	0.106 ON MAY 17	0 ON MAR 1	80 7R	1983
1984	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	1.38 AT 18 40 CST ON MAY 7	1.12 ON MAY 6	0 ON MAR 1	1 010	1985
1986	20.9 AT 12 40 CST ON SEP 26 *	19.5 ON SEP 26	0 ON JUN 5	7 940	1986
				5 900 R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO. 11AB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.010	0.010	0.010	---	---	---	1909
1910	---	---	---	0.025	0.013	0.011	0.014	0.012	0.012	0.012	---	---	---	1910
1911	---	---	---	0.373	0.087	0.020	0.110	0.019	0.376	0.014	---	---	---	1911
1912	---	---	---	8.44	0.156	0.023	0.009	0.011	0.012	0.010	---	---	---	1912
1913	---	---	---	---	0.015	0.008	0.011	0.011	0.008	0.007	---	---	---	1913
1914	---	---	---	1.16	0.011	0.012	0.008	0.008	0.007	0.010	---	---	---	1914
1915	---	---	---	1.75	0.014	0.017	0.070	0.387	0.010	0.010	---	---	---	1915
1916	---	---	5.11	0.319	0.298	0.557	0.724	0.106	0.022	0.018	---	---	0.902	1916
1917	---	---	0	6.78	3.11	0.095	0.025	0.011	0.055	0.044	---	---	1.25	1917
1918	---	---	1.79	5.26	0.145	0.040	0.029	0.019	0.015	0.018	---	---	0.804	1918
1919	---	---	0.012	0.398	0.019	0.016	0.011	0.009	0.008	0.013	---	---	0.060	1919
1920	---	---	0.024	1.01	0.984	---	0	0	0	0	---	---	---	1920
1921	---	---	0.048	1.41	0.235	0	---	0	0	0	---	---	---	1921
1922	---	---	0	3.75	0.818	0	0	0	0	0	---	---	0.863	1922
1923	---	---	0	0.893	0.023	---	---	---	0	0	---	---	---	1923
1924	---	---	0	0.434	0	---	0	0	0	0	---	---	---	1924
1925	---	---	0.378	2.86	0.046	---	0	0	0	0	---	---	---	1925
1926	---	---	0.575	0.200	0	0	0.115	0	0	0	---	---	0.112	1926
1927	---	---	0	5.83	4.48	0.447	0.095	0	0	0	---	---	1.32	1927
1928	---	---	1.09	1.49	0.226	0	0	0	0	0	---	---	0.349	1928
1929	---	---	0.018	1.30	0.490	0.021	0	0	0	0	---	---	0.226	1929
1930	---	0.040	0.224	1.36	0.007	0	0	0	0	0	---	---	0.195	1930
1931	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	0.588	0.006	0	0	0	0	0	---	---	0.083	1936
1972	---	---	0 R	0 R	0 R	0.059R	0 R	0 R	0 R	0 R	---	---	0.007R	1972
1973	---	---	0 R	0 R	0.250R	0.143R	0 R	0.037R	0 R	0 R	---	---	0.054R	1973
1974	---	---	0 R	0.301R	0.064R	0 R	0.012R	0.369R	0 R	0 R	---	---	0.088R	1974
1975	---	---	---	---	0.020R	0.181R	0 R	0 R	0 R	0 R	---	---	---	1975
1976	---	---	---	0	0.114	0	0.010	0.013	0	0.043	---	---	---	1976
1977	---	---	0	0	0.385	0	0	0	0	0	---	---	0.049	1977
1978	---	---	0	0.132	0	0.014	0	0.010	0	0	---	---	0.019	1978
1979	---	---	0.075	0.003	0	0.184	0.001	0.024	0	0	---	---	0.036	1979
1980	---	---	0	0	0.473	0	0	0	0	0	---	---	0.060	1980
1981	---	---	0	0.011	0.267	0	0	0	0	0	---	---	0.035	1981
1982	---	---	0	0.005	0.082	0	0	0	0	0	---	---	0.011	1982
1983	---	---	0	0.060	0.045	0	0	0	0	0	---	---	0.013	1983
1984	---	---	0	0.005	0.024	0	0	0	0	0	---	---	0.004	1984
1985	---	---	0	0.193	0.562	0.186	0	0	0	0	---	---	0.118	1985
1986	---	0.062	0.058	0.024	0.078	0	0	0.041	0.104	0	---	---	0.038	1986
MEAN	---	0.051	0.313R	1.28 R	0.357R	0.058R	0.035R	0.029R	0.018R	0.005R	---	---	0.260	MEAN

LOCATION - LAT 49 24 44 N LONG 109 55 05 W DRAINAGE AREA, 385 km² REGULATED SINCE 1937 INTERNATIONAL GAUGING STATION R - REVISED SINCE JAN 1986

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO 11AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	47.9 ON APR 5 *	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	12.5 ON APR 4	---	---	1915
1916	---	22.5 ON MAR 12	0.010 ON APR 29	19 100	1916
1917	---	17.2 ON APR 15	0 E ON MAR 1 *	25 500	1917
1918	---	31.1 ON MAR 30	0 E ON MAR 1	19 100	1918
1919	---	2.24 ON APR 20	0.007 ON AUG 19	1 270	1919
1920	---	3.65 ON APR 21	0 ON MAY 25	---	1920
1921	---	---	0 B ON MAR 1	---	1921
1922	---	18.6 ON APR 22	0 B ON MAR 1	11 900	1922
1923	---	---	0 ON MAR 1	---	1923
1924	---	---	0 B ON MAR 1	---	1924
1925	---	---	0 B ON MAR 1	---	1925
1926	---	3.00 ON JUL 2	0 B ON MAR 1	2 270	1926
1927	---	29.4 ON APR 25	0 B ON MAR 1	28 000	1927
1928	---	3.54 E ON MAR 21	0 ON MAR 1	7 380	1928
1929	---	4.39 ON APR 23	0 B ON MAR 1	4 760	1929
1930	---	4.15 B ON APR 4	0 ON MAY 5	4 140	1930
1931	---	0.023 ON MAR 24	0 B ON MAR 1	8.39	1931
1935	---	---	---	---	1935
1936	---	3.89 ON APR 14	0 B ON MAR 1	1 740	1936
1972	4.08 R AT 05:48 CST ON JUN 23 *	0.974R ON JUN 23	0 B ON MAR 1	183 R	1972
1973	1.33 R AT 12:13 CST ON MAY 10	1.00 R ON MAY 10	0 B ON MAR 1	1 140 R	1973
1974	1.43 R AT 10:51 CST ON MAY 23	1.14 R ON APR 18	0 RB ON MAR 1	2 030 R	1974
1975	1.80 R AT 16:47 CST ON MAY 8	1.08 R ON JUN 13	0 A ON MAY 9	---	1975
1976	---	0.17 ON OCT 7	---	---	1976
1977	---	1.41 ON MAY 7	0 ON MAR 1	1 030	1977
1978	1.14 B AT 18:27 CST ON APR 2	1.04 B ON APR 2	0 B ON MAR 1	404	1978
1979	1.05 AT 16:55 CST ON JUN 11	0.984 ON JUN 11	0 B ON MAR 1	794	1979
1980	1.05 AT 22:04 CST ON MAY 22	0.952 ON MAY 4	0 B ON MAR 1	1 270	1980
1981	1.11 AT 12:36 CST ON MAY 20	0.876 ON MAY 17	0 B ON MAR 1	742	1981
1982	0.604 AT 14:36 CST ON MAY 10	0.517 ON MAY 10	0 B ON MAR 1	233	1982
1983	0.946 AT 16:38 CST ON APR 26	0.583 ON APR 27	0 ON MAR 1	276	1983
1984	0.183 AT 17:06 CST ON APR 30	0.126 ON APR 30	0 ON MAR 1	77.2	1984
1985	2.24 AT 00:48 CST ON MAY 4	2.19 ON MAY 3	0 B ON MAR 1	2 480	1985
1986	---	1.39 ON SEP 26	0 ON MAR 13	606	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 510 R	MEAN
	E - ESTIMATED	R - REVISED SINCE JAN 1 1986			

MIDDLE CREEK NEAR BATTLE CREEK - STATION NO 11AB047

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	0.020	0.228	0.031	0.027	---	---	---	1960
1961	---	---	0.041	0.190	0.030	0.018	0.119	0.121	0.020	0.017	---	---	0.089	1961
1962	---	---	0.048	0.078	0.036	0.044	0.035	0.012	0.014	0.022	---	---	0.035	1962
1963	---	---	0.023	0.036	0.026	0.021	0.247	0.010	0.018	0.021	---	---	0.050	1963
1964	---	---	0.071	0.116	0.043	0.026	0.009	0.008	0.018	0.020	---	---	0.039	1964
1965	---	---	0.014	0.278	0.185	0.376	0.098	0.016	0.028	0.024	---	---	0.123	1965
1966	---	---	0.110	0.077	0.199	0.033	0.023	0.025	0.024	0.184	---	---	0.085	1966
1967	---	---	---	---	0.505	0.089	0.102	0.024	0.024	0.146	---	---	---	1967
1968	---	---	0.085	0.191	0.131	0.042	0.025	0.023	0.027	0.023	---	---	0.068	1968
1969	---	---	---	---	0.025	0.016	0.018	0.009	0.018	0.095	---	---	---	1969
1970	---	---	---	---	0.534	0.056	0.028	0.017	0.015	0.117	---	---	---	1970
1971	---	---	---	0.197	0.035	0.066	0.044	0.398	0.039	0.025	---	---	---	1971
MEAN	---	---	0.055	0.145	0.186	0.071	0.063	0.074	0.023	0.080	---	---	0.087	MEAN

LOCATION - LAT 49 24 30 N LONG 109 52 22 W DRAINAGE AREA 414 km^2 REGULATED INTERNATIONAL GAUGING STATION

MIDDLE CREEK NEAR BATTLE CREEK - STATION NO 11AB047

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	---	2.94 ON APR 19	0 B ON MAR 1 *	1 670	1961
1962	---	0.305 ON JUN 14	0.003 ON AUG 16	732	1962
1963	---	5.18 ON JUL 4 *	0.008 ON AUG 6	1 070	1963
1964	---	1.38 B ON APR 1	0.003 ON JUL 30	816	1964
1965	---	4.13 ON JUN 25	0.011 ON JUN 9	2 600	1965
1966	---	3.51 ON MAY 24	0.017 ON JUL 19	1 800	1966
1967	---	---	---	---	1967
1968	---	1.23 ON MAY 29	0.0059 ON MAR 13	1 440	1968
1969	---	---	---	---	1969
1970	6.57 AT 04:44 MST ON MAY 11 *	---	---	---	1970
1971	---	---	---	---	1971
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 430	MEAN

MIDDLE CREEK NEAR COVENLOCK - STATION NO. 11AB105

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.139	0.286	0.121	0.100	0.010	0.001	0.015	0.041	---	---	0.087	1968
1969	---	---	---	1.20	0.083	0.008	0.021	0	0	0.074	---	---	---	1969
1970	---	---	---	0.394	0.858	0.052	0.030	0.001	0	0.101	---	---	---	1970
1971	---	---	---	0.480	0.093	0.046	0.026	0.358	0.020	0.030	---	---	---	1971
1972	---	---	---	0.130	0.064	0.522	0.051	0.009	0.014	0.029	---	---	---	1972
1973	---	---	---	0.075	0.283	0.051	0.002	0	0	0.005	---	---	---	1973
1974	---	---	0.089	0.878	0.276	0.078	0.015	0.245	0.010	0.024	---	---	0.176	1974
1975	---	---	0.001	0.705	0.472	0.357	0.015	0.012	0.022	0.025	---	---	0.201	1975
1976	---	---	0.250	0.132	0.113	0.015	0.001	0	0	0.040	---	---	0.065	1976
1977	---	---	0.071	0.040	0.369	0.518	0.001	0	0	0.005	---	---	0.084	1977
1978	---	---	0.033	0.889	0.082	0.026	0.020	0	0.034	0.025	---	---	0.135	1978
1979	---	---	0.536	0.346	0.068	0.198	0.010	0.002	0.001	0.012	---	---	0.165	1979
1980	---	---	0.027	0.001	0.445	0.037	0.006	0.001	0.001	0.019	---	---	0.078	1980
1981	---	---	0.050	0.015	0.299	0.032	0.002	0	0	0.005	---	---	0.051	1981
1982	---	---	0	0.445	0.211	0.116	0.006	0	0	0.025	---	---	0.009	1982
1983	---	---	0.067	0.047	0.116	0.014	0.031	0	0	0.006	---	---	0.026	1983
1984	---	0.804	0.047	0.035	0.028	0.002	0	0	0	0	---	---	0.014	1984
1985	---	---	0.040	0.265	0.453	0.233	0.003	0	0	0.015	---	---	0.123	1985
1986	---	0.438	0.830	0.053	0.107	0.005	0	0	1.81	0.114	---	---	0.312	1986
MEAN	---	0.221	0.141	0.339	0.220	0.104	0.014	0.033	0.091	0.032	---	---	0.114	MEAN

LOCATION - LAT 49 13 42 N
LONG 109 48 57 W

DRAINAGE AREA, 565 km²
REGULATED

INTERNATIONAL GAUGING STATION

MIDDLE CREEK NEAR COVENLOCK - STATION NO. 11AB105

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	1.70 AT 03:00 MST ON MAY 31	1.12 ON MAY 31	0 ON JUL 25 *	1 850	1968
1969	18.6 B AT 22:18 MST ON APR 6	12.1 B ON APR 6	0 ON JUN 13	---	1969
1970	3.04 B AT 00:17 MST ON APR 8	2.24 B ON APR 8	0 ON AUG 11	---	1970
1971	1.54 B AT 20:23 CST ON APR 16	1.22 ON APR 23	0 ON JUL 28	---	1971
1972	14.1 AT 02:55 CST ON JUN 24	8.31 ON JUN 24	---	---	1972
1973	1.01 AT 00:00 CST ON MAY 13	0.915 ON MAY 12	0 ON AUG 2	---	1973
1974	2.62 B AT 23:28 CST ON MAR 31	1.76 ON APR 20	0.001 ON JUL 26	3 740	1974
1975	8.35 AT 13:00 CST ON MAY 7	5.30 ON MAY 7	0 ON AUG 11	4 290	1975
1976	---	1.13 B ON MAR 21	0 ON JUL 10	1 460	1976
1977	1.17 AT 03:54 CST ON MAY 5	1.14 ON MAY 6	0 ON APR 27	1 390	1977
1978	9.29 B AT 23:04 CST ON APR 5	5.58 B ON APR 5	0 ON JUL 3	2 860	1978
1979	2.05 B AT 18:02 CST ON MAR 17	1.72 B ON MAR 17	0 B ON MAR 1	3 070	1979
1980	0.881 AT 21:25 CST ON MAY 7	0.839 ON MAY 6	0 B ON MAR 1	1 840	1980
1981	1.22 AT 17:53 CST ON MAY 8	0.727 ON MAY 10	0 ON JUL 27	1 070	1981
1982	3.08 AT 02:39 CST ON APR 24	2.22 ON APR 24	0 B ON MAR 1	2 100	1982
1983	0.715 AT 23:52 CST ON MAY 5	0.463 ON MAY 6	0 ON AUG 8	781	1983
1984	0.394 AT 06:15 CST ON APR 12	0.135 ON APR 12	0 ON JUN 23	286	1984
1985	1.82 AT 18:25 CST ON MAY 4	1.56 ON MAY 5	0 B ON MAR 1	2 610	1985
1986	23.6 AT 18:31 CST ON SEP 25 *	20.5 ON SEP 26 *	0 ON JUL 3	6 810	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 400	MEAN

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO. 11AB114

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0	0	0	0.519	0	0	0.072	---	---	0.075	1965
1966	---	---	0	0	0	0	0	0	0	0	---	---	0	1966
1967	---	---	0	0.200	0	0	0	0	0	0	---	---	0.026	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0	0	0	0	0	0.267	0	---	---	0.033	1969
1970	---	---	0	0.089	1.18	0	0	0	0	0	---	---	0.182	1970
1971	---	---	0	0	0	0	0	0.052	0.217	0	---	---	0.033	1971
1972	---	---	0	0	0	0	0	0.157	0.020	0	---	---	0.023	1972
1973	---	---	0	0.588	0	0	0	0	0	0	---	---	0.072	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0.138	0	0	0	0	---	---	0.017	1975
1976	---	---	0	0	0	0	0	0	0	0	---	---	0	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	---	0	0.039	0.051	0.006	0.023	0.008	0.022	0.003	---	---	0.019	MEAN

LOCATION - LAT 49 33 04 N
LONG 109 55 26 W

REGULATED

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO 11AB114

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0 ON MAR 1	0 ON MAR 1 *	0	1984
1985	---	1.08 ON JUL 2	0 ON MAR 1	1 590	1985
1986	---	0 ON MAR 1	0 ON MAR 1	0	1986
1987	---	1.05 ON APR 6	0 ON MAR 1	542	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
1989	---	1.33 ON SEP 24	0 ON MAR 1	692	1989
1970	---	1.98 ON APR 30 *	0 ON MAR 1	3 420	1970
1971	---	1.19 ON AUG 31	0 ON MAR 1	703	1971
1972	---	1.37 ON AUG 29	0 ON MAR 1	495	1972
1973	---	1.58 ON APR 16	0 ON MAR 1	1 520	1973
1974	---	0 ON MAR 1	0 ON MAR 1	0	1974
1975	---	1.05 ON JUN 17	0 ON MAR 1	359	1975
1976	---	0 ON MAR 1	0 ON MAR 1	0	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	0 ON MAR 1	0 ON MAR 1	0	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	---	0 ON MAR 1	0 ON MAR 1	0	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	00 AT 00 01 CST ON MAR 1 *	0 ON MAR 1	0 ON MAR 1	0	1986
				405	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO 11AB115

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0.046	0.838	0.015	0	0	0	0	0	---	---	0.110	1986
1987	---	---	0	0	1.40	0.114	0	0	0	0	---	---	0.191	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0	0	0	0	0	---	---	0	1975
1976	---	---	0	0	0	0	0	0	0	0	---	---	0	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	---	0.002	0.036	0.062	0.005	0	0	0	0	---	---	0.013	MEAN

LOCATION - LAT 49 33 02 N
LONG 100 90 55 W REGULATED

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO. 11AB115

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0 ON MAR 1	0 ON MAR 1 *	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	---	4.25 ON APR 1 *	0 ON MAR 1	2 330	1986
1987	---	2.45 ON MAY 18	0 ON MAR 1	4 040	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
1989	---	0 ON MAR 1	0 ON MAR 1	0	1989
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	---	0 ON MAR 1	0 ON MAR 1	0	1971
1972	---	0 ON MAR 1	0 ON MAR 1	0	1972
1973	---	0 ON MAR 1	0 ON MAR 1	0	1973
1974	---	0 ON MAR 1	0 ON MAR 1	0	1974
1975	---	0 ON MAR 1	0 ON MAR 1	0	1975
1976	---	0 ON MAR 1	0 ON MAR 1	0	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	0 ON MAR 1	0 ON MAR 1	0	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	---	0 ON MAR 1	0 ON MAR 1	0	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	OR AT 00:01 CST ON MAR 1 *	0 ON MAR 1	0 ON MAR 1	0	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1 1986		277	MEAN

MIDDLE CREEK RESERVOIR MAIN OUTLET - STATION NO. 11AB113

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0	0.248	0.048	0	0	0	0	0	---	---	0.037	1984
1985	---	---	0	0	0.502	0	0	0	0	0	---	---	0.084	1985
1986	---	---	0	0	0.388	0	0	0.046	0	0.302	---	---	0.093	1986
1987	---	---	0	0	1.20	0.215	0	0	0.022	0.455	---	---	0.240	1987
1988	---	---	0.216	0.132	0.476	0	0	0	0	0.058	---	---	0.111	1988
1989	---	---	0	0	0	0.399	0	0	0.026	0.162	---	---	0.072	1989
1970	---	---	0	0	1.31	0	0	0	0.027	0.112	---	---	0.184	1970
1971	---	---	0	0	0	0.532	0.031	0.476	0.100	0	---	---	0.142	1971
1972	---	---	0	0	0	0.182	0	0	0	0.031	---	---	0.025	1972
1973	---	---	0	0	0.505	0.199	0.012	0	0	0.004	---	---	0.090	1973
1974	---	---	0	0.389	0.237	0	0.134	0.358	0	0.013	---	---	0.142	1974
1975	---	---	0	0	0	0.219	0	0	0	0	---	---	0.027	1975
1976	---	---	0	0	0.326	0	0.138	0	0	0.079	---	---	0.069	1976
1977	---	---	0	0.047	0.545	0.018	0.058	0.058	0	0	---	---	0.091	1977
1978	---	---	0	0	0	0.116	0.072	0.049	0	0	---	---	0.030	1978
1979	---	---	0	0	0	0.497	0	0.110	0	0	---	---	0.075	1979
1980	---	---	0	0.032	0.877	0	0	0	0	0	---	---	0.115	1980
1981	---	---	0	0.101	0.477	0	0	0	0	0	---	---	0.073	1981
1982	---	---	0	0	0.161	0	0	0	0	0	---	---	0.020	1982
1983	---	---	0	0.511	0.049	0	0	0	0	0.031	---	---	0.073	1983
MEAN	---	---	0.011	0.073	0.355	0.119	0.022	0.055	0.009	0.083	---	---	0.088	MEAN

LOCATION - LAT 49 24 15 N
LONG 109 59 00 W REGULATED

MIDDLE CREEK RESERVOIR MAIN OUTLET - STATION NO. 11AB113

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.708 ON APR 19	0 ON MAR 1 *	773	1984
1985	---	3.17 ON MAY 5	0 ON MAR 1	1 350	1985
1986	---	2.75 ON MAY 10	0 ON MAR 1	1 970	1986
1987	---	5.86 ON MAY 17 *	0 ON MAR 1	5 070	1987
1988	---	2.83 ON MAY 4	0 ON MAR 1	2 350	1988
1989	---	2.89 ON JUN 2	0 ON MAR 1	1 530	1989
1970	---	3.91 ON MAY 5	0 ON MAR 1	3 890	1970
1971	---	2.21 ON JUN 8	0 ON MAR 1	3 000	1971
1972	---	1.93 ON JUN 21	0 ON MAR 1	529	1972
1973	---	0.742 ON MAY 18	0 ON MAR 1	1 910	1973
1974	---	1.59 ON APR 17	0 ON MAR 1	3 000	1974
1975	---	1.42 ON JUN 12	0 ON MAR 1	588	1975
1976	---	1.27 ON OCT 6	0 ON MAR 1	1 480	1976
1977	---	2.55 ON MAY 5	0 ON MAR 1	1 940	1977
1978	---	0.850 ON JUN 10	0 ON MAR 1	626	1978
1979	---	1.98 ON JUN 19	0 ON MAR 1	1 580	1979
1980	---	2.22 ON MAY 14	0 ON MAR 1	2 430	1980
1981	---	1.90 ON MAY 16	0 ON MAR 1	1 540	1981
1982	---	1.02 ON MAY 5	0 ON MAR 1	430	1982
1983	---	1.61 ON APR 15	0 ON MAR 1	1 530	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 870	MEAN

MILLIGAN CREEK NEAR WADENA - STATION NO 05MA023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	0	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.649	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	---	0.656	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	1.39	---	---	---	---	---	---	---	---	1967
1968	---	---	0.535	1.11	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	---	0.479	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.02	0.751	0.074	---	---	---	---	---	---	---	1970
1971	---	---	---	2.38	1.13	---	---	---	---	---	---	---	---	1971
1972	---	---	---	2.31	1.14	---	---	---	---	---	---	---	---	1972
1974	---	---	---	---	3.98	2.85	---	---	---	---	---	---	---	1974
1975	---	---	0	2.83	5.74	2.23	0.537	0.257	0.071	0.012	---	---	1.46	1975
1976	---	---	0	5.26	2.56	1.45	0.835	0.237	0.085	0.001	---	---	1.41	1976
1977	---	---	0.001	0.300	0.178	0.040	0	0	0	0	---	---	0.084	1977
1978	---	---	0	0.282	0.108	0.009	0	0	0	0	---	---	0.049	1978
1979	---	---	0	4.02	5.52	1.67	0.292	0.008	0	0	---	---	1.43	1979
1980	---	---	0	1.48	0.802	0.001	0	0	0	0	---	---	0.258	1980
1981	---	0	0.003	0.003	0.005	0.001	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.197	0.188	0	0	0	0	0	---	---	0.048	1982
1983	---	---	0	0.583	0.857	0.180	1.18	1.32	0.139	0.118	---	---	0.523	1983
1984	---	---	0.224	0.583	0.282	0.174	0.012	0	0	0	---	---	0.158	1984
1985	---	---	0	5.54	1.11	0.015	0.057	0	0	0	---	---	0.943	1985
1986	---	---	0.447	3.31	1.01	0.001	0	0	0	0	---	---	0.590	1986
MEAN	---	0	0.093	2.05	1.38	0.821	0.238	0.152	0.023	0.011	---	---	0.578	MEAN

LOCATION - LAT 51 51 10 N DRAINAGE AREA 1 430 km²
LONG 103 45 07 W NATURAL FLOW

MILLIGAN CREEK NEAR WADENA - STATION NO 05MA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	2.55 B ON MAR 25	0.0 ON MAR 1 *	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	17.2 AT 02 23 CST ON APR 29	15.9 ON APR 29	0.0 ON MAR 1	30 900	1975
1976	---	15.4 ON APR 12	0.0 ON MAR 1	29 900	1976
1977	0.884 AT 09 39 CST ON APR 13	0.5978 ON APR 10	0.0 ON MAR 1	1 350	1977
1978	---	0.7314 ON APR 10	0.0 ON MAR 1	1 040	1978
1979	19.2 AT 08 12 CST ON APR 25 *	18.5 ON APR 25 *	0.0 ON MAR 1	30 300	1979
1980	3.35 B AT 20 54 CST ON APR 11	2.35 ON APR 22	0.0 ON MAR 1	5 480	1980
1981	0.013 AT 12 40 CST ON MAY 4	0.012 ON MAY 4	0.0 ON MAR 1	30.5	1981
1982	1.30 AT 17 40 CST ON MAY 11	0.8118 ON APR 14	0.0 ON MAR 1	1 010	1982
1983	3.70 AT 01 58 CST ON APR 21	2.52 ON JUL 22	0.0 ON MAR 1	11 100	1983
1984	2.05 B AT 04 33 CST ON MAR 27	1.41 B ON MAR 27	0.0 ON MAR 1	3 350	1984
1985	15.5 AT 14 58 CST ON APR 10	13.8 B ON APR 10	0.0 ON MAR 1	20 000	1985
1986	5.33 B AT 15 13 CST ON APR 1	4.28 B ON APR 4	0.0 ON MAR 1	12 500	1986
				12 200	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONNERY RIVER NEAR PARADISE HILL - STATION NO 05EF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0.071	0.163	---	---	---	1967
1968	---	---	1.73	0.778	R 364	0.209	0.170	0.281	0.547	0.335	---	---	0.554	1968
1969	---	---	0.215	2.79	0.722	0.292	0.205	0.138	0.188	0.381	---	---	0.809	1969
1970	---	---	0.283	1.88	0.397	0.710	2.86	0.852	0.189	0.287	---	---	0.857	1970
1971	---	---	0.230	1.78	0.902	0.785	0.783	0.284	0.343	0.378	---	---	0.678	1971
1972	---	---	0.298	2.02	0.809	0.203	0.229	0.288	0.217	0.247	---	---	0.535	1972
1973	---	---	0.375	1.24	0.702	0.805	0.456	0.460	0.231	0.388	---	---	0.592	1973
1974	---	---	0.031	3.67	2.92	3.27	1.67	0.557	0.491	0.521	---	---	1.66	1974
1975	---	---	0.311	1.58	1.76	1.54	2.56	1.18	0.610	0.424	---	---	1.22	1975
1976	---	---	0.280	1.07	0.358	0.489	0.448	0.188	0.170	0.289	---	---	0.405	1976
1977	---	---	0.269	0.583	0.721	0.253	0.408	0.222	0.198	0.312	---	---	0.371	1977
1978	---	---	0.222	0.969	1.07	0.880	0.435	0.208	0.338	0.207	---	---	0.515	1978
1979	---	---	0.232	1.64	1.11	0.533	0.949	0.468	0.240	0.307	---	---	0.633	1979
1980	---	---	0.180	1.31	0.237	0.212	0.188	0.200	0.328	0.134	---	---	0.346	1980
1981	---	---	0.457	1.72	0.332	0.201	0.285	0.084	0.015	0.130	---	---	0.387	1981
1982	---	---	0.236	0.708	0.384	0.287	0.550	0.214	0.095	0.321	---	---	0.349	1982
1983	---	---	0.230	0.652	0.388	0.349	0.456	0.112	0.297	0.239	---	---	0.342	1983
1984	---	---	0.389	1.29	0.756	0.390	0.196	0.275	0.485	0.422	---	---	0.525	1984
1985	---	---	0.244	1.80	1.43	0.524	0.254	0.254	0.203	0.310	---	---	0.601	1985
1986	---	---	0.448	1.16	0.523	0.816	2.10	4.31	0.645	0.407	---	---	1.28	1986
MEAN	---	---	0.351	1.49	0.837	0.656	0.777	0.547	0.285	0.310	---	---	0.656	MEAN

LOCATION - LAT 53 32 28 N DRAINAGE AREA 875 km²
LONG 109 31 36 W NATURAL FLOW

MONNERY RIVER NEAR PARADISE HILL - STATION NO. 05EF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	3.85 ON MAR 25	0 ON MAR 1 *	11 700	1968
1969	---	12.1 B ON APR 12	0.037 ON AUG 28	12 900	1969
1970	---	18.0 ON JUL 3 *	0.042 ON OCT 5	18 100	1970
1971	8 728 AT 14 00 CST ON APR 16	7.288 ON APR 16	0.127 ON AUG 25	14 400	1971
1972	---	6.08 ON APR 16	0.025 ON SEP 10	11 300	1972
1973	---	3.03 ON APR 12	0.028 ON SEP 11	12 500	1973
1974	---	15.7 ON APR 20	0.0318 ON MAR 1	35 200	1974
1975	---	5.188 ON APR 25	0.229 ON SEP 21	25 900	1975
1976	---	2.578 ON APR 6	0.048 ON AUG 25	8 590	1976
1977	14.1 AT 21 49 CST ON JUL 29 *	2.15 ON JUL 30	0.059 ON SEP 4	7 850	1977
1978	3.10 AT 21 02 CST ON MAY 2	1.93 ON MAY 3	0.079 ON AUG 15	10 900	1978
1979	8.398 AT 14 42 CST ON APR 25	7.608 ON APR 25	0.136 ON SEP 25	13 400	1979
1980	5.068 AT 21 30 CST ON APR 15	4.758 ON APR 16	0.033 ON OCT 26	7 330	1980
1981	6.198 AT 20 21 CST ON APR 2	5.478 ON APR 3	0.002 ON SEP 3	8 410	1981
1982	1.86 AT 08 53 CST ON APR 22	1.61 ON JUL 6	0.055 ON SEP 14	7 380	1982
1983	1.69 AT 13 16 CST ON JUN 23	1.49 ON APR 7	0.002 ON AUG 16	7 250	1983
1984	4.178 AT 10 07 CST ON APR 4	3.408 ON APR 1	0.031 ON AUG 2	11 100	1984
1985	3.42 AT 22 32 CST ON APR 11	3.00 ON APR 11	0.033 ON JUN 30	12 700	1985
1986	7.65 AT 16 40 CST ON AUG 7	7.44 ON AUG 8	0.057 ON JUN 19	27 200	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 900	MEAN

MONTREAL RIVER AT HIGHWAY NO. 2 - STATION NO. 05CA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	15.2	32.6	44.1	48.5	47.4	45.6	40.3	29.1	---	1973
1974	25.5	23.8	21.9	21.0	36.2	40.0	46.6	48.2	42.5	37.3	30.9	28.8	33.8	1974
1975	16.0	15.4	17.1	15.0	19.1	22.5	19.6	14.7	8.73	7.84	6.73	6.02	13.9	1975
1976	3.36	6.13	6.34	5.93	5.88	3.88	3.45	1.88	0.246	0.170	0.013	0	3.17	1976
1977	0	0	0	0.304	2.60	3.04	1.82	2.23	3.14	4.88	4.70	3.25	2.12	1977
1978	2.53	1.92	1.81	5.88	12.1	13.1	12.9	5.81	13.1	14.8	13.6	9.07	8.23	1978
1979	7.72	8.85	8.72	8.40	14.1	24.8	22.0	14.3	14.0	11.6	9.38	7.33	12.8	1979
1980	6.04	4.82	5.80	7.20	9.09	---	2.32	---	---	---	14.0	10.3	---	1980
1981	7.83	7.16	9.16	13.6	17.2	12.9	6.97	7.01	3.56	2.34	1.79	2.33	7.84	1981
1982	2.86	2.68	1.95	3.87	7.44	7.53	4.11	3.83	4.33	5.94	5.06	5.33	4.56	1982
1983	6.48	5.17	5.57	5.91	12.2	15.6	14.2	9.09	6.24	5.88	5.46	6.63	8.18	1983
1984	4.13	3.42	3.59	5.89	11.9	18.6	15.2	10.3	7.30	6.52	4.67	5.35	8.17	1984
1985	4.38	4.47	4.70	10.8	28.9	34.6	30.9	27.6	23.8	19.5	12.7	10.5	17.9	1985
1986	8.11	8.35	8.09	9.49	15.8	16.0	13.0	9.74	6.27	4.23	3.54	3.71	8.61	1986
MEAN	7.31	7.01	7.29	8.75	14.9	18.9	17.2	15.9	13.9	12.8	10.8	8.84	10.9	MEAN

LOCATION - LAT 54 42 50 N DRAINAGE AREA 5 450 km^2
LONG 105 41 48 W REGULATED

MONTREAL RIVER AT HIGHWAY NO. 2 - STATION NO. 05CA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	57.8 AT 19 25 CST ON AUG 18 *	53.5A ON JUL 30 *	19.7 B ON APR 30	1 070 000	1974
1975	45.0 AT 12 01 CST ON JUN 27	37.7 ON JUN 27	2.32 B ON DEC 31	460 000	1975
1976	---	13.8 ON MAY 17	0 B ON NOV 23 *	190 000	1976
1977	15.2 AT 14 32 CST ON JUN 8	10.3 ON JUN 8	0 B ON JAN 1	86 900	1977
1978	25.8 AT 10 18 CST ON OCT 16	19.0 ON OCT 16	1.85 B ON APR 1	291 000	1978
1979	32.7 AT 22 38 CST ON JUN 23	28.4 ON JUN 23	2.24 B ON APR 21	404 000	1979
1980	---	18.2 ON NOV 1	0.480 ON JUN 20	---	1980
1981	28.0 AT 10 47 CST ON JUL 8	21.2 ON MAY 19	0.853 ON OCT 13	247 000	1981
1982	15.0 AT 16 25 CST ON JUN 8	11.5 ON JUN 8	0.705 ON SEP 29	144 000	1982
1983	32.4 AT 15 54 CST ON JUN 19	23.1 ON JUN 19	1.01 ON SEP 19	358 000	1983
1984	26.4 AT 15 31 CST ON JUN 1	27.6 ON JUN 1	1.24 B ON OCT 16	258 000	1984
1985	44.5 AT 17 43 CST ON JUN 12	40.4 ON JUN 12	3.57 B ON MAR 6	535 000	1985
1986	32.4 AT 16 47 CST ON MAY 21	25.8 ON MAY 21	0.753 ON OCT 28	372 000	1986
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		343 000	MEAN

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO 05CA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	19.3	10.5	2.53	6.11	7.85	---	1967
1968	7.08	5.83	5.32	5.21	7.19	7.49	6.81	5.29	5.48	7.34	7.94	7.63	6.82	1968
1969	7.15	6.77	6.48	7.55	11.1	10.1	6.77	5.09	4.82	7.80	9.31	9.20	7.88	1969
1970	8.75	7.75	7.21	8.57	14.7	19.2	51.3	47.9	46.3	36.2	31.7	28.3	25.8	1970
1971	23.0	19.5	18.0	17.3	24.2	26.4	40.8	41.2	32.8	21.5	19.2	17.9	25.0	1971
1972	15.6	13.8	11.6	11.3	30.8	30.8	19.3	12.8	10.9	12.6	15.2	14.2	16.8	1972
1973	12.4	10.7	8.89	11.6	18.8	37.2	57.8	54.6	58.5	59.2	50.9	42.4	35.6	1973
1974	37.7	35.8	35.3	39.2	58.4	53.3	54.7	56.5	54.2	50.7	37.9	28.8	45.3	1974
1975	25.0	21.9	19.4	18.5	27.0	31.2	27.7	20.5	16.8	14.3	12.3	10.1	20.4	1975
1976	8.58	7.73	7.45	8.44	8.40	8.32	8.85	8.49	8.14	5.52	5.11	4.42	7.29	1976
1977	2.93	2.76	2.47	3.00	4.87	11.7	28.5	17.1	9.22	9.09	9.38	9.72	9.31	1977
1978	8.58	7.12	6.19	6.67	20.6	30.7	24.9	21.2	17.7	22.2	21.0	17.2	17.1	1978
1979	15.3	13.7	12.9	12.6	21.5	29.4	27.9	21.6	22.5	22.6	20.2	16.0	19.7	1979
1980	12.5	10.3	8.56	8.58	7.03	6.71	3.83	3.88	5.37	21.1	24.3	18.4	11.0	1980
1981	15.6	13.5	12.7	16.1	24.8	20.0	13.6	9.13	6.34	5.85	5.83	6.31	12.5	1981
1982	5.59	4.20	3.61	3.12	9.27	14.7	10.9	9.18	7.30	7.49	8.44	8.50	7.72	1982
1983	8.27	7.60	7.12	7.87	14.2	22.7	22.0	17.1	13.9	12.8	12.7	12.0	13.2	1983
1984	9.03	8.20	8.72	8.20	13.6	21.8	18.5	13.9	11.9	12.3	12.8	11.7	12.4	1984
1985	9.43	7.86	7.17	10.4	36.5	43.3	43.7	33.0	32.5	27.1	20.4	13.7	23.9	1985
1986	10.8	8.75	7.15	8.95	16.8	22.3	19.2	22.3	14.9	12.7	10.4	9.04	13.6	1986
MEAN	12.8	11.2	10.2	11.3	19.5	23.4	25.8	22.0	19.6	18.8	17.2	14.7	17.4	MEAN

LOCATION - LAT 55 05 40 N LONG 105 21 46 W DRAINAGE AREA, 7 280 km²
REGULATED

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO 05CA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	---	8.10 ON OCT 23	4.45 ON SEP 2	209 000	1968
1969	---	11.8 ON MAY 11	4.25 ON AUG 29	242 000	1969
1970	---	57.5 ON JUL 18	7.14E ON MAR 21	813 000	1970
1971	---	51.5 ON JUL 28	15.1 E ON MAR 27	788 000	1971
1972	---	39.1 ON MAY 31	9.54 ON SEP 15	524 000	1972
1973	---	62.9 ON SEP 28	9.83E ON MAR 25	1 120 000	1973
1974	---	63.1 ON MAY 27 *	25.3 ON DEC 30	1 430 000	1974
1975	---	32.6 ON JUN 2	9.17 ON DEC 31	842 000	1975
1976	---	11.1 ON JUL 24	3.82B ON DEC 31	231 000	1976
1977	---	34.8 ON JUL 31	2.24E ON APR 2 *	294 000	1977
1978	---	33.7 A ON JUN 10	5.85A ON MAR 19	538 000	1978
1979	33.4 AT 15 34 CST ON JUN 25	32.9 ON JUN 25	11.7 ON APR 12	822 000	1979
1980	28.4 AT 06 42 CST ON OCT 30	27.8 ON OCT 30	2.70 ON AUG 4	348 000	1980
1981	27.5 AT 21 26 CST ON MAY 21	26.6 ON MAY 19	4.57 ON OCT 8	384 000	1981
1982	16.5 AT 11 47 CST ON JUN 8	16.3 ON JUN 8	2.59 ON APR 28	243 000	1982
1983	25.8 AT 16 42 CST ON JUL 3	24.7 ON JUN 13	5.84 ON APR 3	416 000	1983
1984	24.3 AT 15 07 CST ON JUL 2	23.3 ON JUN 25	8.22 ON APR 2	382 000	1984
1985	50.2 AT 18 47 CST ON JUL 3 *	43.8 ON JUL 3	6.87 ON MAR 19	752 000	1985
1986	26.6 AT 13 55 CST ON AUG 7	24.6 ON AUG 10	6.88 ON MAR 21	431 000	1986
				549 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOON LAKE CREEK NEAR SASKATOON - STATION NO 05HG017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.378	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.080	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	0.088	0.003	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.005	0.001	0	0	0	0	0	---	---	0.001	1975
1976	---	---	0	0.001	0.001	0	0	0	0	0	---	---	0	1976
MEAN	---	---	0	0.103	0.001	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 52 01 28 N LONG 106 48 43 W DRAINAGE AREA, 146 km²
NATURAL FLOW

MOON LAKE CREEK NEAR SASKATOON - STATION NO 05HG017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	---	0.020 ON APR 18 *	0B ON MAR 1 *	19.7	1975
1976	---	0.003 ON APR 22	0B ON MAR 1	3.72	1976
				11.7	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOREHEAD DITCH ON PIAPOT CREEK - STATION NO. 05HA025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1915	---	---	---	---	0.155	0.138	---	---	---	---	---	---	---	1915
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	---	0.155	0.138	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 51 00 N
LONG 109 16 00 W REGULATED

MOOREHEAD DITCH ON PIAPOT CREEK - STATION NO. 05HA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 20 *	---	1911
1915	---	---	0 ON JUL 22	---	1915
1917	---	---	0R ON JUL 20	---	1917
1919	---	---	0R ON AUG 30	---	1919
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1985

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO 05JE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.827	0.845	0.034	---	---	---	---	---	---	1910
1911	---	---	---	5.40	1.07	2.01	0.078	0.006	0.002	0.326	0.118	0.016	---	1911
1912	0.001	0	---	---	14.8	1.37	0.884	0.082	0.027	0.055	0.038	0.001	---	1912
1913	0	0	---	---	0.181	0.028	0.342	0.018	0.004	0.006	0.011	0.003	---	1913
1914	0	0	0.031	1.86	0.159	0.095	0.012	0	0	0	0.089	0.010	0.285	1914
1915	0	0	0	0.042	0.011	0.008	0.004	0	0	0	0	0	0.008	1915
1916	0	0	0.749	41.4	3.99	1.13	0.328	0.072	0.058	0.332	0.303	0.057	5.81	1916
1917	0.005	0	0.002	18.6	4.99	0.235	0.026	0.003	0.002	0.011	0.003	0	2.94	1917
1918	0	0	4.76	1.71	0.837	0.027	0.004	0	0	0	0.017	0	0.886	1918
1919	0	0	0.096	4.85	0.335	0.036	0.183	0	0	0.090	0.006	0	0.886	1919
1920	0	0	0.645	19.4	3.78	0.097	0.003	0.002	0.002	0.097	0.015	0	2.47	1920
1921	0	0	0.029	0.382	0.148	0.228	1.13	0.038	0.138	0.073	0.015	0.007	0.289	1921
1922	0.014	0.007	1.02	15.9	6.98	0.829	0.138	0.023	0.009	0.015	0.051	0.014	3.10	1922
1923	0.007	0.001	0.407	7.28	0.952	2.33	19.2	1.20	0.240	0.126	---	---	3.88	1923
1924	---	---	1.11	8.51	0.782	0.224	0.031	0.023	0.111	0.044	---	---	1.33	1924
1925	---	---	2.83	24.5	0.871	1.88	0.283	0.005	0.008	0.050	---	---	3.73	1925
1926	---	---	0.033	0.321	0.524	0.408	1.02	0.115	0.041	0.023	---	---	0.311	1926
1927	---	---	0.386	35.8	6.77	2.32	0.185	0.018	0.034	0.023	---	---	5.74	1927
1928	---	---	4.51	4.85	0.450	0.550	0.788	0.032	0.017	0.110	---	---	1.42	1928
1929	---	---	0.056	0.013	0.006	0.004	0.045	0.014	0.008	0.021	---	---	0.021	1929
1930	---	0.102	0.821	4.18	0.122	0.025	0.014	0.008	0.081	0.029	---	---	0.851	1930
1931	---	---	0.046	0.012	---	---	---	---	---	---	---	---	---	1931
1933	---	---	---	1.88	0.452	1.05	0.026	0.113	0	0	---	---	---	1933
1934	---	---	---	0.177	0.001	0.018	0.007	0.082	0.018	0.023	---	---	---	1934
1935	---	---	---	1.74	0.885	0.873	0.578	0.829	0.020	0.018	---	---	---	1935
1936	---	---	0.552	21.8	4.44	0.084	0.014	0.081	0.001	0.011	---	---	3.34	1936
1937	---	---	0	0.002	0.021	0	0	0	0	0	---	---	0.003	1937
1938	---	---	3.38	2.24	0.245	0.005	0.001	0.081	0.017	0.048	---	---	0.749	1938
1939	---	---	0.302	2.33	0.007	0.298	1.72	0.006	0.108	0.002	---	---	0.582	1939
1940	---	---	0	0.026	0.244	0.005	0.001	0.072	0	0	---	---	0.044	1940
1954	---	---	0.020	0.043	0.297	3.92	0.579	1.08	4.54	3.34	---	---	1.98	1954
1955	---	---	0.284	32.8	38.7	1.33	9.05	0.723	0.028	0.021	---	---	10.3	1955
1956	---	---	1.57	37.1	3.46	0.747	1.01	0.031	0.011	0.021	---	---	5.41	1956
1957	---	---	1.00	4.55	0.482	0.025	0.018	0.001	0.002	0.003	---	---	0.730	1957
1958	---	---	0.088	3.77	0.040	0.024	0.008	0.008	0	0	---	---	0.480	1958
1959	---	---	0.014	0.024	0.004	0.078	0.394	0.010	0.042	0.572	---	---	0.143	1959
1960	---	---	5.82	23.5	1.48	3.88	3.50	0.023	0.004	0.005	---	---	4.72	1960
1961	---	---	1.94	0.409	0.085	0.006	0	0	0	0	---	---	0.307	1961
1962	---	---	0.780	4.26	0.030	0.336	0.034	0.006	0	0	---	---	0.673	1962
1963	---	---	0.477	0.570	0.020	0.848	4.77	1.03	0.043	0.009	---	---	0.878	1963
1964	---	---	0	1.83	0.318	0.350	0.031	0.032	0.011	0.010	---	---	0.318	1964
1965	---	---	0	4.91	5.01	9.52	2.07	0.088	0.003	0.003	---	---	2.80	1965
1966	---	---	2.90	1.44	0.322	0.021	0.006	0.004	0.005	0.001	---	---	0.589	1966
1967	---	---	0.545	18.2	3.19	0.044	0.028	0.003	0.006	0.012	---	---	2.72	1967
1968	---	---	1.87	0.254	0.032	0.019	0.014	0.008	0.013	0.005	---	---	0.279	1968
1969	---	---	0.042	52.3	9.38	0.238	0.106	0.143	0.008	0.202	---	---	7.88	1969
1970	---	---	1.11	21.3	34.9	4.21	0.431	0.017	0.014	0.007	---	---	7.74	1970
1971	---	---	0.215	33.8	3.28	0.365	0.588	0.035	0.010	0.003	---	---	4.71	1971
1972	---	---	5.81	2.71	0.402	1.21	0.026	0.015	0.005	0.003	---	---	1.27	1972
1973	---	---	0.008	0.018	0.011	0.247	0.071	0.020	0.028	0.003	---	---	0.050	1973
1974	---	---	0.005	87.1	34.1	4.84	0.195	2.58	0.480	0.142	---	---	13.5	1974
1975	---	---	0.074	26.5	27.5	1.41	2.13	0.030	0.027	0.027	---	---	7.18	1975
1976	---	---	12.8	84.6	4.12	8.56	2.34	0.789	0.117	0.012	---	---	11.1	1976
1977	---	---	0.013	0.008	1.17	0.201	0.028	0	0	0.001	---	---	0.178	1977
1978	---	---	0.678	5.86	0.885	0.178	0.039	0	0	0	---	---	0.840	1978
1979	---	---	0.454	19.8	26.6	2.42	4.12	0.071	0.004	0	---	---	8.85	1979
1980	---	---	0.074	3.05	0.083	0.058	0.022	0.002	0	0	---	---	0.283	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.155	40.6	8.08	2.70	3.08	0.541	0.004	0.004	---	---	5.80	1982
1983	---	0.085	1.80	27.7	5.04	0.574	0.087	0.007	0.003	0	---	---	4.47	1983
1984	---	---	0.005	0.008	0.001	0	0	0	0	0	---	---	0.002	1984
1985	---	---	1.37	1.11	0.025	0.002	0	0	0	0	---	---	0.313	1985
1986	---	0.052	3.42	0.851	5.51	0.198	0	0	0	0	---	---	1.40	1986
MEAN	0.002	0.014	1.20	12.0	4.38	1.02	0.894	0.187	0.137	0.098	0.055	0.009	2.84	MEAN

LOCATION - LAT 50 20 45 N DRAINAGE AREA 5 250 km²
LONG 105 31 49 W REGULATED

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 25 *	---	1910
1911	---	---	0 ON AUG 18	---	1911
1912	---	37.7 ON MAY 14	0 B ON MAR 1	---	1912
1913	---	---	0 B ON MAR 1	---	1913
1914	---	5.61 E ON APR 10	0 B ON MAR 1	5 810	1914
1915	---	0.105 ON APR 4	0 B ON MAR 1	170	1915
1916	---	83.6 ON APR 18	0 B ON MAR 1	125 000	1916
1917	---	54.7 ON APR 18	0 B ON MAR 1	62 300	1917
1918	---	22.7 B ON MAR 26	0 B ON MAR 1	19 000	1918
1919	---	12.4 ON APR 20	0 B ON MAR 1	14 600	1919
1920	---	24.9 ON APR 26	0 B ON MAR 1	52 300	1920
1921	---	2.80 ON JUL 4	0 B ON MAR 4	5 890	1921
1922	---	39.9 ON APR 10	0 B ON MAR 2	85 600	1922
1923	---	54.7 ON JUL 15	0 B ON MAR 19	84 300	1923
1924	---	19.1 B ON APR 14	0 B ON MAR 1	28 200	1924
1925	---	62.9 B ON APR 3	0 B ON MAR 1	78 800	1925
1926	---	3.51 ON JUN 29	0 ON SEP 25	6 800	1926
1927	---	85.0 ON APR 15	0 ON OCT 24	121 000	1927
1928	---	27.6 B ON MAR 31	0 B ON MAR 1	30 000	1928
1929	---	0.722 ON JUL 28	0 B ON MAR 1	446	1929
1930	---	11.8 B ON APR 7	0 ON SEP 1	13 700	1930
1931	---	---	0 B ON MAR 27	---	1931
1933	---	---	0 ON JUL 16	---	1933
1934	---	---	0 ON APR 26	---	1934
1935	---	9.57 B ON APR 22	0 ON MAY 27	---	1935
1936	---	59.7 ON APR 17	0 ON JUL 1	70 700	1936
1937	---	0.496 ON MAY 14	0 B ON MAR 1	61.4	1937
1938	---	15.6 ON MAR 26	0 B ON MAR 1	15 900	1938
1939	---	9.37 ON APR 2	0 B ON MAR 1	12 500	1939
1940	---	2.18 ON AUG 3	0 B ON MAR 1	931	1940
1954	---	17.5 ON SEP 20	0.0145 ON MAR 18	41 600	1954
1955	---	105 ON MAY 9	0.006 ON OCT 19	219 000	1955
1956	---	89.2 ON APR 15	0 B ON MAR 1	115 000	1956
1957	---	11.5 B ON APR 6	0 ON JUL 30	15 900	1957
1958	---	15.1 B ON APR 4	0 B ON MAR 1	10 200	1958
1959	---	1.73 ON OCT 31	0 B ON MAR 1	3 020	1959
1960	---	80.0 B ON APR 4	0 B ON MAR 1	89 800	1960
1961	---	8.77 B ON MAR 23	0 B ON MAR 1	6 480	1961
1962	15.7 B AT 16:00 CST ON APR 1	15.7 B ON APR 1	0 B ON MAR 1	14 300	1962
1963	---	10.3 ON JUL 20	0 B ON MAR 1	20 700	1963
1964	---	8.07 B ON APR 9	0 B ON MAR 1	6 720	1964
1965	23.0 B AT 22:00 CST ON APR 18	19.4 ON JUN 3	0 B ON MAR 1	59 300	1965
1966	---	7.62 B ON MAR 27	0 B ON MAR 1	12 500	1966
1967	56.6 AT 21:00 CST ON APR 15	56.1 B ON APR 15	0 B ON MAR 1	57 600	1967
1968	---	3.54 B ON MAR 23	0 ON OCT 2	5 900	1968
1969	---	184 ON APR 12	0 B ON MAR 1	183 000	1969
1970	73.9 AT 03:15 CST ON MAY 10	72.8 ON MAY 10	0.005 ON OCT 14	184 000	1970
1971	100 AT 01:30 CST ON APR 12	98.3 ON APR 12	0.003 ON OCT 5	89 800	1971
1972	26.2 B AT 15:33 CST ON MAR 25	25.3 B ON MAR 25	0 ON SEP 18	27 000	1972
1973	0.711 AT 04:26 CST ON JUN 15	0.663 ON JUN 16	0 ON MAY 5	1 080	1973
1974	261 AT 15:01 CST ON APR 20 *	252 ON APR 20 *	0.0038 ON MAR 1	287 000	1974
1975	87.8 AT 17:50 CST ON APR 25	87.2 ON APR 25	0.0118 ON MAR 1	152 000	1975
1976	135 AT 12:31 CST ON APR 6	124 ON APR 6	0.006 ON SEP 29	235 000	1976
1977	14.3 A AT 08:47 CST ON MAY 27	13.3 A ON MAY 27	0 ON APR 23	3 780	1977
1978	21.9 B AT 12:15 CST ON APR 4	18.2 B ON APR 4	0 ON AUG 2	19 900	1978
1979	73.6 AT 08:31 CST ON APR 25	73.2 ON APR 25	0 B ON MAR 1	141 000	1979
1980	---	4.58 B ON APR 11	0 ON JUN 8	5 890	1980
1981	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0 B ON MAR 1	0	1981
1982	133 AT 19:59 CST ON APR 18	130 ON APR 19	0 B ON MAR 1	144 000	1982
1983	51.5 AT 02:00 CST ON APR 10	50.8 ON APR 10	0 E ON AUG 23	94 700	1983
1984	0.0558 AT 23:00 CST ON MAR 31	0.048 ON APR 1	0 B ON MAR 1	37.2	1984
1985	7.82 B AT 14:10 CST ON MAR 28	6.78 B ON MAR 28	0 B ON MAR 1	6 830	1985
1986	18.6 AT 14:44 CST ON MAY 16	18.4 ON MAY 16	0 ON JUN 28	29 500	1986
				55 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE JAW RIVER AT CHEVRIER'S FARM - STATION NO. 05JE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	1.02	0.631	---	---	---	---	---	---	---	1910
1911	---	---	---	---	0.832	---	0.125	0.005	0	0.238	---	---	---	1911
1912	---	---	---	4.84	---	1.05	0.859	0.130	0.004	---	---	---	---	1912
MEAN	---	---	---	4.84	0.976	0.841	0.492	0.068	0.002	0.239	---	---	---	MEAN

LOCATION - LAT 50 15 33 N
LONG 105 21 03 W
DRAINAGE AREA, 4 170 km^2
NATURAL FLOW

MOOSE JAW RIVER AT CHEVRIER'S FARM - STATION NO. 05JE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON MAY 5 *	---	1910
1911	---	---	0 ON MAY 9	---	1911
1912	---	---	0 ON JUL 27	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.035	0.080	0.887	---	---	---	---	---	---	---	1944
1945	---	---	0.038	0.031	0.036	0.075	---	---	---	---	---	---	---	1945
1946	---	---	8.62	5.80	0.100	0.123	---	---	---	---	---	---	---	1946
1947	---	---	3.36	28.0	2.80	0.335	---	---	---	---	---	---	---	1947
1948	---	---	0.347	41.9	21.2	0.505	---	---	---	---	---	---	---	1948
1949	---	---	0.272	1.96	0.083	0.046	---	---	---	---	---	---	---	1949
1950	---	---	0.302	14.6	3.00	0.389	---	---	---	---	---	---	---	1950
1951	---	---	0	26.3	17.4	0.639	---	---	---	---	---	---	---	1951
1952	---	---	1.81	32.4	0.809	0.266	---	---	---	---	---	---	---	1952
1953	---	---	0.303	2.82	1.49	49.1	20.8	0.415	0.117	0.027	---	---	---	1953
1954	---	---	0.081	0.058	0.105	4.48	0.529	---	7.06	3.59	---	---	---	1954
1955	---	---	0.889	38.2	46.2	2.33	9.32	1.25	0.100	0.037	---	---	---	1955
1956	---	---	2.80	41.5	4.12	1.09	1.52	0.153	0.081	0.114	---	---	---	1956
1957	---	---	2.26	4.88	0.808	0.111	0.085	0.082	0.085	0.100	---	---	---	1957
1958	---	---	1.04	4.30	0.186	0.118	0.086	0.056	0.043	0.075	---	---	---	1958
1959	---	---	0.744	0.078	0.070	0.082	0.331	0.037	0.078	0.785	---	---	---	1959
1960	---	---	7.45	24.4	1.57	3.48	4.15	0.083	0.082	0.075	---	---	---	1960
1961	---	---	2.86	0.534	0.082	0.041	0.030	0.027	0.032	0.089	0.098	---	---	1961
1962	---	---	0.718	4.62	0.154	0.485	0.145	0.028	0	0.038	---	---	---	1962
1963	---	---	1.05	1.18	0.028	1.32	5.54	1.43	0.082	0.040	---	---	---	1963
1964	---	---	0.085	1.94	0.354	0.394	0.082	0.089	0.058	0.052	---	---	---	1964
1965	---	---	0.010	7.13	6.17	9.81	2.41	0.198	0.140	0.005	---	---	---	1965
1966	---	---	4.85	1.84	0.412	0.109	0.280	0.157	0.079	0.018	---	---	---	1966
1967	---	---	0.722	20.5	4.00	0.181	0.032	0.012	0.048	0.084	---	---	---	1967
1968	---	---	2.85	0.441	0.077	0.081	0.078	0.100	0.034	0.040	---	---	---	1968
1969	---	---	0.185	61.5	9.13	1.10	1.41	0.552	0.043	0.209	---	---	---	1969
1970	---	---	1.35	27.4	37.1	5.85	1.01	0.082	0.029	0.026	---	---	---	1970
1971	---	---	0.101	39.9	3.90	0.488	0.685	0.086	0.006	0.150	---	---	---	1971
1972	---	---	4.89	3.26	0.846	1.23	0.054	0.255	0.083	0.178	0.151	0.088	---	1972
1973	0.083	0.119	0.151	0.165	0.377	0.549	0.092	0.093	0.077	0.150	0.200	0.107	0.180	1973
1974	0.079	0.182	0.150	91.0	37.8	5.79	1.01	2.75	1.02	0.174	0.672	0.258	11.8	1974
1975	0.088	0.137	0.328	31.2	30.4	1.78	2.86	0.102	0.286	0.072	0.185	0.117	5.63	1975
1976	0.096	0.269	14.8	70.9	4.55	6.33	2.86	0.900	0.236	0.387	0.220	0.142	8.56	1976
1977	0.149	0.245	0.276	0.097	1.58	0.279	0.321	0.095	0.087	0.103	0.216	0.142	0.300	1977
1978	0.157	0.155	0.858	7.38	1.12	0.309	0.313	0.033	0.080	0.228	0.131	0.148	0.804	1978
1979	0.135	0.143	0.889	21.7	26.7	2.58	4.86	0.347	0.083	0.086	0.216	0.147	4.85	1979
1980	0.108	0.111	0.450	2.52	0.171	0.114	0.210	0.111	0.075	0.147	0.213	0.150	0.383	1980
1981	0.150	0.243	0.188	0.184	0.089	0.184	0.139	0.194	0.267	0.270	0.179	0.138	0.179	1981
1982	0.085	0.138	0.800	49.8	9.02	3.35	2.87	0.842	0.107	0.237	0.201	0.185	5.86	1982
1983	0.207	0.205	2.51	27.5	5.85	0.740	0.272	0.034	0.229	0.077	0.255	0.131	3.15	1983
1984	0.161	0.338	0.304	0.080	0.004	0.029	0	0	0	0	0.121	0.162	0.098	1984
1985	0.148	0.126	1.35	1.82	0.245	0.042	0.012	0.005	0.005	0.167	0.077	0.014	0.334	1985
1986	0.008	0.302	4.48	1.22	6.25	0.227	0.030	0.008	0.005	0.040	0.057	0.098	1.07	1986
MEAN	0.119	0.193	1.84	17.3	5.88	2.54	1.88	0.314	0.316	0.231	0.200	0.134	3.07	MEAN

LOCATION - LAT 50 24 00 N
LONG 105 23 50 W

DRAINAGE AREA, 9 230 km^2
REGULATED

REMARKS - FROM 1944 TO JUN 15 1955, STATION WAS LOCATED IN SE04-17-25-W2 AND PUBLISHED UNDER STATION NO. 05JG008

MOOSE JAW RIVER NEAR BURDICK - STATION NO 05JE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	8.30 ON JUN 15	0 ON MAR 1 *	---	1944
1945	---	0.1708 ON MAR 26	0 B ON MAR 1	---	1945
1946	---	27.4 ON MAR 31	0 B ON MAR 1	---	1946
1947	---	56.4 ON APR 17	0 B ON MAR 1	---	1947
1948	---	200 ON APR 25	---	---	1948
1949	---	10.3 ON APR 10	0 B ON MAR 1	---	1949
1950	---	52.7 ON APR 24	---	---	1950
1951	---	53.0 ON APR 17	0 B ON MAR 1	---	1951
1952	---	63.1 ON APR 10	0 B ON MAR 1	---	1952
1953	---	97.1 E ON JUN 11	0.025 ON OCT 16	---	1953
1954	---	19.5 ON SEP 21	---	---	1954
1955	---	108 A ON MAY 9	0 B ON OCT 31	---	1955
1956	80.9 AT 05:00 CST ON APR 16	80.0 ON APR 15	0.0118 ON MAR 1	---	1956
1957	13.5 AT 22:00 CST ON APR 3	12.1 ON APR 4	0.011 ON JUL 3	---	1957
1958	20.3 AT 02:00 CST ON APR 5	18.7 ON APR 5	0.006 ON MAY 27	---	1958
1959	---	5.92 B ON MAR 14	0 ON AUG 13	---	1959
1960	84.0 AT 21:00 CST ON APR 3	61.2 ON APR 4	0.014 ON OCT 9	---	1960
1961	11.8 AT 08:00 CST ON MAR 24	11.6 ON MAR 24	0 ON JUL 8	---	1961
1962	15.0 AT 23:30 CST ON APR 2	14.8 ON APR 3	0 E ON AUG 23	---	1962
1963	16.2 AT 17:00 CST ON JUL 10	12.3 B ON MAR 31	0.006E ON OCT 26	---	1963
1964	15.6 AT 11:00 CST ON APR 9	8.44 ON APR 10	0.028B ON MAR 1	---	1964
1965	21.5 AT 20:00 CST ON APR 20	20.2 ON APR 19	0 B ON MAR 1	---	1965
1966	18.2 B AT 22:00 CST ON MAR 14	13.1 B ON MAR 15	0 ON SEP 28	---	1966
1967	55.5 AT 20:00 CST ON APR 14	54.1 ON APR 15	0 ON JUL 31	---	1967
1968	4.73 B AT 22:00 CST ON MAR 8	4.62 B ON MAR 8	0 ON JUN 11	---	1968
1969	227 AT 24:00 CST ON APR 12	214 ON APR 13	0.008 ON SEP 17	---	1969
1970	71.1 AT 12:00 CST ON MAY 10	70.5 ON MAY 10	0.002 ON AUG 21	---	1970
1971	123 AT 13:04 CST ON APR 12	118 ON APR 12	0 ON SEP 12	---	1971
1972	22.7 B AT 15:47 CST ON MAR 25	20.3 B ON MAR 25	0 ON SEP 11	---	1972
1973	2.13 AT 22:51 CST ON OCT 23	1.28 ON JUN 4	0.005 ON JUL 21	5 670	1973
1974	374 AT 22:52 CST ON APR 19 *	388 ON APR 20 *	0.042B ON JAN 20	371 000	1974
1975	98.8 AT 01:55 CST ON APR 25	97.7 ON APR 25	0.031 ON OCT 15	177 000	1975
1976	130 AT 12:55 CST ON APR 7	129 ON APR 7	0.028 ON OCT 25	271 000	1976
1977	15.6 A AT 20:27 CST ON MAY 27	12.5 A ON MAY 27	0.007 ON MAY 14	9 440	1977
1978	---	21.8 B ON APR 5	0.001 ON AUG 15	28 500	1978
1979	78.3 E AT 17:12 CST ON APR 25	77.2 E ON APR 25	0.005 ON OCT 14	153 000	1979
1980	5.20 B AT 07:01 CST ON APR 11	5.34 ON APR 12	0.004 ON MAY 5	11 500	1980
1981	0.771 ON OCT 14	0.609 ON SEP 5	0.011 ON MAY 6	5 630	1981
1982	156 AT 10:50 CST ON APR 19	154 ON APR 19	0.015 ON SEP 15	175 000	1982
1983	83.4 AT 02:47 CST ON APR 10	55.7 ON APR 10	0.003 ON NOV 2	89 400	1983
1984	1.41 AT 19:50 CST ON JUN 16	0.8128 ON MAR 25	0 ON JUN 9	3 110	1984
1985	8.47 B AT 13:25 CST ON MAR 28	5.81 B ON MAR 27	0.001A ON AUG 19	10 500	1985
1986	20.5 AT 13:47 CST ON MAY 16	17.8 ON MAY 16	0 B ON FEB 14	33 800	1986
				96 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE JAW RIVER NEAR LANG - STATION NO 05JE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.110	0.137	0.085	---	---	---	---	1911
1912	---	---	---	1.07	1.45	0.818	0.151	0.027	0.002	0	0	---	---	1912
1913	---	---	---	---	0.012	0	0	0	0	0	---	---	---	1913
1914	---	---	---	0.879	0.089	0.023	0.003	0	0	0	---	---	---	1914
1915	---	---	---	0	0	0	0	0	0	0	---	---	---	1915
1916	---	---	---	---	0.127	0.075	0.055	0.039	0.016	0.014	---	---	---	1916
1917	---	---	---	3.40	1.47	0.049	0.007	0	0	0	---	---	---	1917
1918	---	---	---	0.586	0.181	0.011	0	0	0	0	---	---	---	1918
1919	---	---	---	0.806	0.040	0	0	0	0	0	---	---	---	1919
1969	---	---	0	11.4	1.51	0.023	0.005	0	0	0	---	---	1.59	1969
1970	---	---	0	2.87	11.9	0.965	0.028	0	0	0	---	---	1.98	1970
1971	---	---	0	7.67	0.606	0.017	0.002	0	0	0	---	---	1.02	1971
1972	---	---	0.880	0.467	0.081	0.023	0	0	0	0	---	---	0.179	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	8.61	3.86	0.670	0.023	0	0	0	---	---	1.63	1974
1975	---	---	0	5.86	7.76	0.520	0.027	0	0	0	---	---	1.74	1975
1976	---	---	0.230	17.6	0.710	0.881	1.28	0.193	0.003	0	---	---	2.57	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.276	0.580	0.030	0	0	0	0	0	---	---	0.110	1978
1979	---	---	0.017	6.35	8.90	0.703	0.175	0	0	0	---	---	2.02	1979
1980	---	---	0.005	0.083	0	0	0	0	0	0	---	---	0.011	1980
1981	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	5.72	0.550	0.035	0	0	0	0	---	---	0.774	1982
1983	---	---	0	4.86	0.623	0.065	0	0	0	0	---	---	0.719	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.180	0.042	0	0	0	0	0	0	---	---	0.025	1985
1986	---	---	0.744	0.102	0.782	0.004	0	0	0	0	---	---	0.207	1986
MEAN	---	---	0.129	3.29	1.57	0.180	0.069	0.015	0.003	0.001	0	---	0.810	MEAN

LOCATION - LAT 49 55 51 N
LONG 104 28 57 W
DRAINAGE AREA, 895 km^2
NATURAL FLOW

MOOSE JAW RIVER NEAR LANG - STATION NO 05JE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	0 ON SEP 13 *	---	1912
1913	---	---	0 ON JUN 4	---	1913
1914	---	---	0 ON JUL 9	---	1914
1915	---	---	0 ON MAR 22	---	1915
1916	---	---	---	---	1916
1917	---	6 68 ON APR 26	0.08 ON APR 1	---	1917
1918	---	---	0 ON JUN 7	---	1918
1919	---	2 97 ON APR 16	0 ON APR 1	---	1919
1969	---	28 1 ON APR 11	0 ON MAR 1	33 700	1969
1970	---	22 2 ON MAY 4	0.08 ON MAR 1	42 200	1970
1971	20.5 AT 20 00 CST ON APR 8	17.2 ON APR 10	0.08 ON MAR 1	21 600	1971
1972	3.88 B AT 14 00 CST ON MAR 18	2.83 B ON MAR 18	0.08 ON MAR 1	3 780	1972
1973	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	34.5 AT 08 05 CST ON APR 19 *	31 7 ON APR 19	0.08 ON MAR 1	34 400	1974
1975	21.0 AT 20 09 CST ON APR 30	20 6 ON APR 30	0.08 ON MAR 1	36 800	1975
1976	32.8 AT 18 33 CST ON APR 6	32 3 ON APR 7 *	0.08 ON MAR 1	54 300	1976
1977	0 B AT 00 01 CST ON MAR 1	0 B ON MAR 1	0.08 ON MAR 1	0	1977
1978	3.00 AT 12 14 CST ON MAR 31	2 89 ON MAR 31	0.08 ON MAR 1	2 320	1978
1979	18.6 B AT 17 15 CST ON APR 20	18 0 ON APR 28	0.08 ON MAR 1	42 600	1979
1980	0.9118 AT 13 10 CST ON APR 1	0 7408 ON APR 1	0.08 ON MAR 1	228	1980
1981	0.0108 AT 10 30 CST ON MAR 19	0 0098 ON MAR 19	0.08 ON MAR 1	5 31	1981
1982	28.6 B AT 15 15 CST ON APR 17	22 2 B ON APR 17	0.08 ON MAR 1	18 400	1982
1983	10 4 AT 00 38 CST ON APR 20	10 3 ON APR 20	0.08 ON MAR 1	15 200	1983
1984	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	0.973 AT 03 55 CST ON MAR 19	0 791 ON MAR 19	0.08 ON MAR 1	538	1985
1986	3.42 AT 04 36 CST ON MAY 11	3 22 ON MAY 11	0 ON JUN 7	4 380	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 100	MEAN

MOOSE JAW RIVER NEAR ROULEAU - STATION NO 05JE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0.080	0.987	---	---	---	---	---	---	---	1944
1945	---	---	0	0	0.002	0.035	0.232	---	---	---	---	---	---	1945
1946	---	---	4.23	1.67	0.003	0.034	---	---	---	---	---	---	---	1946
1947	---	---	0	18.8	1.97	0.379	---	---	---	---	---	---	---	1947
1948	---	---	0	36.9	14.2	0.331	---	---	---	---	---	---	---	1948
1949	---	---	0.002	2.21	0.015	0.016	---	---	---	---	---	---	---	1949
1950	---	---	0.009	14.3	2.38	0.049	---	---	---	---	---	---	---	1950
1951	---	---	0	17.2	13.5	0.387	---	---	---	---	---	---	---	1951
1952	---	---	0.015	20.6	0.272	0.132	---	---	---	---	---	---	---	1952
1953	---	---	1.07	0.876	1.80	40.7	7.47	0.159	0.021	0	---	---	6.44	1953
1954	---	---	0	0.005	0.290	4.07	0.575	1.78	5.21	2.87	---	---	1.81	1954
1955	---	---	0.100	24.8	27.8	1.20	8.16	0.720	0	0	---	---	7.97	1955
1956	---	---	0.897	26.6	2.25	0.148	0.759	0.025	0.001	0	---	---	3.79	1956
1957	---	---	1.97	2.82	0.065	0	0	0	0	0	---	---	0.578	1957
1958	---	---	0.830	3.10	0.007	0.003	0	0	0	0	---	---	0.499	1958
1959	---	---	0.027	0.020	0.003	0.033	1.86	0.008	0	1.42	---	---	0.439	1959
1960	---	---	7.91	15.7	0.585	5.11	2.74	0.059	0	0	---	---	3.97	1960
1961	---	---	1.89	0.175	0.011	0	0	0	0	0	---	---	0.282	1961
1962	---	---	1.91	2.65	0.168	0.287	0.002	0.011	0.005	0	---	---	0.825	1962
1963	---	---	1.18	0.249	0.070	0.837	3.78	0.050	0.114	0.004	---	---	0.788	1963
1964	---	---	0	1.93	0.433	0.579	0.086	0.006	0	0	---	---	0.372	1964
1965	---	---	0	3.32	7.00	4.80	0.483	0.014	0.014	0.006	---	---	1.94	1965
1966	---	---	1.76	0.652	0.243	0.011	0.007	0.012	0.019	0.371	---	---	0.386	1966
1967	---	---	0.002	12.7	2.83	0.046	0.003	0	0.002	0.222	---	---	1.82	1967
1968	---	---	0.990	0.202	0.003	0	0	0.138	0.081	0.052	---	---	0.184	1968
1969	---	---	0	37.3	5.79	0.467	0.784	0.085	0	0.277	---	---	5.51	1969
1970	---	---	0.212	12.7	27.2	3.35	0.506	0.013	0	0.111	---	---	5.51	1970
1971	---	---	0	25.6	2.01	0.145	0.605	0.024	0	0.098	---	---	3.50	1971
1972	---	---	7.00	2.01	0.830	1.15	0.107	0.032	0.002	0	---	---	1.41	1972
1973	---	---	0.004	0.033	0.058	0.176	0.017	0.002	0	0	---	---	0.036	1973
1974	---	---	0	39.0	20.4	2.14	0.201	3.07	0.471	0.046	---	---	8.09	1974
1975	---	---	0.032	21.5	20.0	1.80	0.511	0.020	0.007	0.001	---	---	5.43	1975
1976	---	---	5.11	48.3	2.71	4.88	1.61	0.756	0.113	0.113	---	---	8.08	1976
1977	---	---	0.010	0.104	0.507	0.015	0.148	0.003	0	0	---	---	0.099	1977
1978	---	---	1.08	4.10	0.532	0.066	0.018	0.001	0	0	---	---	0.729	1978
1979	---	---	0	19.4	20.2	1.53	4.48	0.051	0	0	---	---	5.69	1979
1980	---	---	0.018	1.74	0	0.001	0.005	0	0	0	---	---	0.216	1980
1981	---	---	0.017	0.003	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	28.5	3.76	1.63	3.95	0.224	0	0	---	---	4.69	1982
1983	---	0.032	0.798	22.4	4.35	0.329	0.085	0	0	0	---	---	3.45	1983
1984	---	---	0.010	0.044	0	0	0	0	0	0	---	---	0.007	1984
1985	---	---	1.53	1.00	0	0	0	0	0	0	---	---	0.316	1985
1986	---	---	2.17	0.708	4.88	0.089	0.047	0.003	0	0	---	---	0.996	1986
MEAN	---	0.032	1.12	11.0	4.40	1.81	1.15	0.214	0.178	0.159	---	---	2.52	MEAN

LOCATION - LAT 50 11 29 N DRAINAGE AREA, 2 990 km^2
LONG 104 59 08 W REGULATED

REMARKS - RECORDS WERE COLLECTED AT SE16-14-22-W2 FROM 1944-73, AND AT NE17-14-22-W2 FROM 1974-75

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.55 ON JUN 17	0 ON MAR 1 *	---	1944
1945	---	1.56 ON JUL 25	0 ON MAR 1	---	1945
1946	---	21.7 ON MAR 26	0 ON MAR 1	---	1946
1947	---	44.2 ON APR 12	0B ON MAR 1	---	1947
1948	---	151 ON APR 23	0B ON MAR 1	---	1948
1949	---	10.2 B ON APR 6	0B ON MAR 1	---	1949
1950	---	53.8 ON APR 18	0B ON MAR 1	---	1950
1951	---	30.9 ON MAY 2	0B ON MAR 1	---	1951
1952	---	45.6 ON APR 7	0B ON MAR 1	---	1952
1953	98.5 AT 22:00 CST ON JUN 6	95.7 ON JUN 6	0B ON MAR 1	137 000	1953
1954	---	18.8 ON SEP 17	0B ON MAR 1	36 200	1954
1955	---	91.7 ON MAY 7	0B ON MAR 1	169 000	1955
1956	82.1 AT 02:00 CST ON APR 14	76.9 ON APR 13	0B ON MAR 1	80 200	1956
1957	---	10.2 B ON MAR 31	0B ON MAR 1	12 200	1957
1958	15.8 B AT 10:30 CST ON APR 1	15.7 B ON APR 1	0 ON MAR 1	10 800	1958
1959	10.3 AT 12:00 CST ON JUL 2	10.1 ON JUL 2	0B ON MAR 1	9 300	1959
1960	---	42.5 ON APR 1	0B ON MAR 1	84 000	1960
1961	---	5.00 B ON MAR 19	0B ON MAR 1	5 550	1961
1962	---	14.0 B ON MAR 29	0B ON MAR 1	13 200	1962
1963	---	12.3 ON JUL 15	0B ON MAR 1	16 600	1963
1964	---	8.24 B ON APR 6	0B ON MAR 1	7 880	1964
1965	---	21.1 ON MAY 21	0B ON MAR 1	41 100	1965
1966	---	5.44 B ON MAR 21	0B ON MAR 1	8 180	1966
1967	45.0 AT 13:30 CST ON APR 11	44.7 ON APR 11	0B ON MAR 1	40 700	1967
1968	---	2.14 B ON MAR 20	0B ON MAR 1	2 900	1968
1969	140 AT 05:00 CST ON APR 12	139 ON APR 12	0B ON MAR 1	118 000	1969
1970	---	70.5 ON MAY 7	0B ON MAR 1	117 000	1970
1971	73.3 AT 04:00 CST ON APR 10	70.8 ON APR 10	0B ON MAR 1	74 100	1971
1972	24.9 AT 12:00 CST ON MAR 23	24.5 ON MAR 23	0B ON MAR 1	29 900	1972
1973	0.351 AT 16:05 CST ON JUN 10	0.348 ON JUN 10	0B ON MAR 1	759	1973
1974	180 AT 20:30 CST ON APR 20 *	162 ON APR 20 *	0B ON MAR 1	171 000	1974
1975	86.6 AT 14:45 CST ON APR 23	69.3 ON APR 23	0B ON MAR 1	115 000	1975
1976	107 AT 06:14 CST ON APR 5	106 ON APR 4	0B ON MAR 1	171 000	1976
1977	9.12 AT 04:06 CST ON MAY 24	5.80 ON MAY 23	0B ON MAR 1	2 100	1977
1978	22.8 AT 05:32 CST ON MAR 31	22.1 ON MAR 31	0B ON MAR 1	15 400	1978
1979	73.9 AT 10:45 CST ON APR 22	73.1 ON APR 22	0B ON MAR 1	120 000	1979
1980	---	3.85 B ON APR 5	0B ON MAR 1	4 570	1980
1981	0.0618 AT 07:10 CST ON MAR 21	0.0558 ON MAR 21	0B ON MAR 1	53 B	1981
1982	108 AT 10:00 CST ON APR 17	105 ON APR 17	0B ON MAR 1	88 300	1982
1983	36.7 B AT 12:15 CST ON APR 7	36.4 ON APR 13	0 ON JUN 25	73 000	1983
1984	0.6488 AT 04:29 CST ON APR 1	0.5888 ON APR 1	0B ON MAR 1	140	1984
1985	10.8 B AT 10:01 CST ON MAR 21	9.33 B ON MAR 21	0B ON MAR 1	6 560	1985
1986	16.1 AT 16:23 CST ON MAY 13	15.9 ON MAY 13	0 ON JUL 21	21 100	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		53 400	MEAN

MOOSE MOUNTAIN CREEK ABOVE KISBEY IRRIGATION PROJECT - STATION NO. 05NC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	B	1.55	0.287	0.186	0.187	0.003	0	0	---	---	0.272	1980
1981	---	---	B 0.031	0.120	0.144	0.053	0.001	0	0	0.007	---	---	0.044	1981
1982	---	---	B	0.132	0.110	0.088	0.019	0.001	0.004	0.002	---	---	0.043	1982
1983	---	---	0.133	0.110	0.111	0.134	0.185	0.031	0.013	0.006	---	---	0.088	1983
1984	---	---	0	0.787	0.273	0.430	0.110	0.017	0.012	0.023	---	---	0.250	1984
1985	---	---	0	0.597	0.284	0.147	0.111	0.110	0.041	0.060	---	---	0.168	1985
1986	---	---	0.364	0.923	0.203	0.128	0.037	0.010	0.007	0.005	---	---	0.208	1986
1987	---	---	0	1.24	0.822	0.304	0.111	0.014	0.002	0.010	---	---	0.311	1987
1988	---	---	0.420	0.145	0.140	0.059	0.006	0.014	0.028	0.020	---	---	0.104	1988
1989	---	---	0	8.57	2.38	0.631	0.338	0.198	0.015	0.107	---	---	1.52	1989
1970	---	---	0	2.96	4.19	1.83	0.782	0.588	0.396	0.361	0.376	0.150	1.38	1970
1971	0.010	0	0.039	6.88	1.43	0.526	0.728	0.010	0.015	0.116	0.133	0.075	1.16	1971
1972	0	0	1.74	2.13	1.10	0.327	0.081	0.102	0.038	0.064	0.081	0.023	0.535	1972
1973	---	---	0.145	0.246	0.238	0.342	0.095	0.008	0.055	0.112	---	---	0.149	1973
MEAN	0.005	0	0.207	1.88	0.835	0.370	0.195	0.079	0.045	0.064	0.197	0.081	0.455	MEAN

LOCATION - LAT 49 41 06 N LONG 102 47 46 W

DRAINAGE AREA, 3 290 km^2

REGULATED

MOOSE MOUNTAIN CREEK ABOVE KISSEY IRRIGATION PROJECT - STATION NO. 05NC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	9.23 AT 08:30 CST ON APR 7	9.09 ON APR 7	00 ON MAR 1 *	5 780	1980
1981	---	0.380 ON MAY 14	0 ON MAR 1	937	1981
1982	---	0.8098 ON APR 19	00 ON MAR 1	931	1982
1983	1.19 AT 01:30 CST ON MAR 28	0.991 ON MAR 28	0 ON MAR 1	1 880	1983
1984	---	3.24 A ON APR 8	00 ON MAR 1	4 330	1984
1985	4.90 E AT 13:00 CST ON APR 16	3.95 E ON APR 16	00 ON MAR 1	3 550	1985
1986	---	3.88 E ON APR 6	00 ON MAR 1	4 420	1986
1987	4.62 E AT 19:15 CST ON APR 6	3.85 E ON APR 6	00 ON MAR 1	6 980	1987
1988	---	1.66 E ON MAR 18	00 ON MAR 1	2 210	1988
1989	29.7 A AT 15:30 CST ON APR 11 *	29.4 A ON APR 11 *	00 ON MAR 1	32 200	1989
1970	8.30 AT 16:00 CST ON MAY 7	8.27 ON MAY 7	00 ON MAR 1	28 300	1970
1971	23.0 E AT 22:40 CST ON APR 9	18.9 E ON APR 10	00 ON MAR 1	24 900	1971
1972	---	8.81 E ON MAR 21	00 ON MAR 1	14 700	1972
1973	0.840 AT 09:45 CST ON JUN 6	0.817 ON JUN 7	00 ON MAR 1	3 180	1973
				9 839	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE MOUNTAIN CREEK BELOW KISSEY IRRIGATION PROJECT - STATION NO. 05NC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	1.11	0.380	0.203	0.058	0	0	0	---	---	0.218	1980
1981	---	---	0	0.004	0.081	0.003	0	0	0	0	---	---	0.011	1981
1982	---	---	0	0	0	0.018	0	0	0	0	---	---	0.002	1982
1983	---	---	0	0.059	0.014	0.059	0.408	0.089	0.008	0	---	---	0.080	1983
1984	---	---	0	0.821	0.930	0.397	0.148	0.037	0	0	---	---	0.339	1984
1985	---	---	0	0.157	0.497	0.240	0.087	0.003	0.003	0.001	---	---	0.124	1985
1986	---	---	0.005	1.50	0.158	0.087	0.003	0	0	0	---	---	0.214	1986
1987	---	---	0	0.385	0.725	0.005	0.001	0	0	0	---	---	0.140	1987
1988	---	---	0.155	0.226	0.047	0.035	0	0.006	0	0.003	---	---	0.060	1988
1989	---	---	0	8.87	2.35	0.372	0.279	0.101	0.013	0.007	---	---	1.43	1989
1970	---	---	0	1.90	4.73	1.40	0.441	0.072	0.109	0.318	0.280	0.085	1.12	1970
1971	0	0	0	5.93	2.08	0.343	0.337	0.102	0	0.028	0.070	0.008	1.08	1971
1972	0	0	0.620	2.55	1.20	0.771	0.115	0.003	0	0	0.001	0	0.677	1972
1973	---	---	0.027	0.155	0.170	0.157	0.015	0	0.003	0.054	---	---	0.074	1973
MEAN	0	0	0.073	1.65	0.930	0.385	0.135	0.029	0.010	0.029	0.110	0.031	0.391	MEAN

LOCATION - LAT 49 37 02 N, LONG 102 35 33 W
DRAINAGE AREA 2 600 km^2, REGULATED

MOOSE MOUNTAIN CREEK BELOW KISSEY IRRIGATION PROJECT - STATION NO. 05NC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	0.144 AT 08:00 CST ON MAY 11	5.86 ON APR 10	00 ON MAR 1 *	4 570	1981
1982	0.119 AT 13:00 CST ON JUN 20	0.136 ON MAY 11	0 ON MAR 1	334	1982
1983	2.20 AT 08:00 CST ON JUL 19	0.113 ON JUN 19	0 ON MAR 1	43.3	1983
1984	1.61 AT 24:00 CST ON APR 24	2.14 ON JUL 19	0 ON MAR 1	1 890	1984
1985	1.41 AT 15:00 CST ON MAY 8	1.59 ON APR 24	00 ON MAR 1	5 050	1985
1986	3.82 AT 08:30 CST ON APR 4	1.32 ON MAY 8	00 ON MAR 1	3 830	1986
1987	1.65 AT 20:00 CST ON APR 30	2.93 ON APR 4	00 ON MAR 1	4 570	1987
1988	1.32 AT 17:00 CST ON MAR 28	1.50 ON MAY 1	00 ON MAR 1	3 950	1988
1989	21.0 B AT 11:44 CST ON APR 15 *	1.20 ON MAR 28	00 ON MAR 1	1 280	1989
1970	9.35 AT 21:50 CST ON MAY 12	30.7 B ON APR 16 *	00 ON MAR 1	30 300	1970
1971	16.5 AT 13:00 CST ON APR 13	4.99 ON MAY 13	00 ON MAR 1	23 800	1971
1972	8.15 B AT 12:29 CST ON MAR 27	14.0 ON APR 13	00 ON MAR 1	33 100	1972
1973	0.344 AT 11:50 CST ON JUN 4	4.08 B ON MAR 27	00 ON MAR 1	14 300	1973
		0.338 ON JUN 4	00 ON MAR 1	1 550	
				8 390	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO 05AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.005	0.116	0.204	0.035	0.009	0.005	0.012	0.024	---	---	0.052	1959
1960	---	---	0.021	0.453	0.025	0.010	0.009	0.005	0.004	0.006	---	---	0.087	1960
1961	---	---	0	0.005	0.015	0.010	0.002	0	0.012	0.014	---	---	0.007	1961
1962	---	---	0	0.016	0.006	0.005	0.002	0.001	0	0	---	---	0.004	1962
1963	---	---	0.007	0.006	0.009	0.006	0.004	0.002	0.006	0.003	---	---	0.006	1963
1964	---	---	0	0.375	0.026	0.024	0.016	0.005	0.004	0.004	---	---	0.057	1964
1965	---	---	0	0.044	0.017	0.009	0.005	0.003	0.010	0.007	---	---	0.012	1965
1966	---	---	0.335	0.200	0.072	0.040	0.026	0.022	0.024	0.084	---	---	0.096	1966
1967	---	---	0.076	0.925	0.566	0.113	0.028	0.016	0.011	0.016	---	---	0.217	1967
1968	---	---	0.210	0.030	0.026	0.012	0.014	0.018	0.010	0.011	---	---	0.065	1968
1969	---	---	0	5.12	0.888	0.115	0.087	0.015	0.012	0.014	---	---	0.783	1969
1970	---	---	0	2.82	2.73	1.12	0.888	0.640	0.176	0.195	---	---	1.02	1970
1971	---	---	0.114	5.80	1.06	0.225	0.152	0.012	0.017	0.015	---	---	0.884	1971
1972	---	---	1.12	1.12	0.420	0.064	0.031	0.030	0.018	0.012	---	---	0.352	1972
1973	---	---	0.160	0.083	0.015	0.047	0.013	0.010	0.010	0.013	---	---	0.053	1973
1974	---	---	0	7.02	2.96	0.444	0.301	0.025	0.002	0.011	---	---	1.29	1974
1975	---	---	0.003	11.7	5.70	1.06	0.149	0.017	0.002	0.016	---	---	2.63	1975
1976	---	---	0.027	14.2	3.16	1.56	0.720	0.270	0.032	0.028	---	---	2.26	1976
1977	---	---	0.122	0.523	0.393	0.106	0.023	0.009	0.060	0.585	0.027	---	0.221	1977
1978	---	---	0.230	0.435	0.327	0.141	0.106	0.021	0.023	0.016	---	---	0.183	1978
1979	---	---	0	5.58	5.27	0.570	0.031	0.009	0.016	0.017	---	---	1.66	1979
1980	---	---	0.215	0.987	0.141	0.021	0.006	0.075	0.012	0.010	---	---	0.180	1980
1981	---	---	0.009	0.013	0.019	0.022	0.005	0.008	0.002	0.005	---	---	0.011	1981
1982	---	---	0.012	1.63	0.884	0.053	0.232	0.581	0.048	0.005	---	---	0.290	1982
1983	---	---	0.016	5.35	3.44	0.268	0.118	0.014	0.010	0.015	---	---	1.16	1983
1984	---	---	0.033	0.026	0.032	0.015	0.004	0.004	0.007	0.014	---	---	0.017	1984
1985	---	---	0.804	2.12	0.375	0.086	0.022	0.021	0.021	0.021	---	---	0.431	1985
1986	---	---	0.832	0.246	0.206	0.141	0.048	0.013	0.018	0.018	---	---	0.190	1986
MEAN	---	---	0.152	2.35	1.11	0.232	0.068	0.087	0.025	0.045	0.027	---	0.905	MEAN

LOCATION - LAT 49 52 23 N DRAINAGE AREA 2 310 km²
LONG 103 08 54 W REGULATED

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO 05AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	0.540 ON MAY 2	0 E ON MAR 1 *	1 090	1959
1960	---	3.51 E ON APR 6	0 E ON MAR 1	1 620	1960
1961	---	0.082 ON SEP 9	0 E ON MAR 1	154	1961
1962	---	0.0688 ON APR 6	0 E ON MAR 1	69.7	1962
1963	---	0.0318 ON MAR 23	0 E ON MAR 1	117	1963
1964	---	3.99 E ON APR 6	0 E ON MAR 1	1 200	1964
1965	---	0.147 ON APR 16	0 E ON MAR 1	246	1965
1966	---	3.65 E ON MAR 31	0 E ON MAR 1	2 070	1966
1967	---	1.52 E ON APR 22	0 E ON MAR 1	4 610	1967
1968	---	2.80 E ON MAR 6	0 E ON MAR 1	1 150	1968
1969	---	14.2 E ON APR 11	0 E ON MAR 1	16 600	1969
1970	---	5.82 ON MAY 2	0 E ON MAR 1	21 600	1970
1971	---	9.66 E ON APR 6	0 E ON MAR 1	10 700	1971
1972	---	2.61 E ON MAR 30	0 E ON MAR 1	7 630	1972
1973	---	0.4420 ON MAR 10	0 E ON MAR 1	1 120	1973
1974	---	21.8 ON APR 21	0 E ON MAR 1	27 200	1974
1975	---	46.2 ON APR 23 *	0.001 ON JUL 28	55 700	1975
1976	28.7 AT 21:21 CST ON APR 9 *	28.6 ON APR 9	0.011 ON OCT 23	48 900	1976
1977	---	0.9006 ON APR 15	0.001 ON AUG 9	4 610	1977
1978	2.33 E AT 07:58 CST ON MAR 29	1.97 E ON MAR 30	0 E ON MAR 1	2 460	1978
1979	18.5 E AT 03:00 CST ON APR 22	18.5 E ON APR 22	0 E ON MAR 1	20 400	1979
1980	3.37 E AT 03:39 CST ON MAR 30	2.97 E ON MAR 30	0 E ON MAR 1	3 810	1980
1981	0.138 AT 17:03 CST ON OCT 30	0.083 ON JUN 15	0 ON JUL 20	329	1981
1982	8.53 E AT 08:12 CST ON APR 14	7.85 E ON APR 14	0 ON JUN 13	6 200	1982
1983	18.2 AT 07:26 CST ON APR 22	17.6 ON APR 22	0.002 ON SEP 3	24 600	1983
1984	0.1500 AT 05:57 CST ON MAR 25	0.1418 ON MAR 25	0 ON JUL 5	355	1984
1985	5.66 E AT 10:17 CST ON MAR 22	5.65 E ON MAR 22	0 E ON MAR 1	9 120	1985
1986	1.66 E AT 22:07 CST ON MAR 5	1.17 E ON MAR 6	0.0010 ON MAR 1	4 020	1986
				10 700	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE MOUNTAIN CREEK NEAR GLENAVON - STATION NO 05AC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.010	3.00	0.474	0.115	0.087	0.017	0	0	---	---	---	1971
MEAN	---	---	0.010	3.00	0.474	0.115	0.087	0.017	0	0	---	---	---	MEAN

LOCATION - LAT 50 04 20 N DRAINAGE AREA 1 020 km²
LONG 103 08 26 W NATURAL FLOW

MOOSE MOUNTAIN CREEK NEAR OXBOW - STATION NO 05NG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	0.090	0.129	0.142	0.085	---	1913
1914	---	---	---	6.34	3.01	2.02	0.540	0.076	0.111	0.036	---	---	---	1914
1915	---	---	0.002	0.287	0.236	0.236	0.228	0.019	0	0	---	---	0.123	1915
1916	---	---	---	---	3.75	1.40	0.811	0.138	0.003	0.148	---	---	---	1916
1917	---	---	---	---	4.93	0.988	0.311	0.003	0.001	0	---	---	---	1917
1933	---	---	---	1.04	0.391	0.128	0	0	0	---	---	---	---	1933
1934	---	---	---	1.05	0.152	0	0	0	0	---	---	---	---	1934
1935	---	---	---	0.797	0.286	0.171	0.975	0.024	---	---	---	---	---	1935
1936	---	---	---	---	1.17	0.083	0	0	0	---	---	---	---	1936
1937	---	---	---	---	0.017	0	0	0	0	---	---	---	---	1937
1938	---	---	---	0.188	0.017	0	0.011	0	0	---	---	---	---	1938
1939	---	---	---	1.43	0.047	0	0.032	0	0	---	---	---	---	1939
1940	---	---	---	0.029	0.025	0	0	0	0	---	---	---	---	1940
1941	---	---	---	0.591	0.076	0.057	0	0	0	---	---	---	---	1941
1942	---	---	---	---	0.430	0.192	0.057	0.249	0.122	0.071	---	---	---	1942
1943	---	---	---	12.4	1.46	0.762	0.253	0.045	0	0	---	---	---	1943
1944	---	---	---	0.414	0.320	0.769	0.855	0.284	0.076	0.045	---	---	---	1944
1945	---	---	---	0.202	0.105	0.288	0.598	0.069	0.050	0.073	---	---	---	1945
1946	---	---	---	3.38	0.374	0.288	0.101	---	---	---	---	---	---	1946
1947	---	---	---	17.5	3.82	3.22	0.984	0.226	0.074	0.074	---	---	---	1947
1948	---	---	---	---	9.54	0.804	0.194	0.088	0.001	0	---	---	---	1948
1949	---	---	---	4.79	0.424	0.494	0.084	0.083	0	0	---	---	---	1949
1950	---	---	---	6.81	1.76	0.880	0.454	0.837	0.088	0.105	---	---	---	1950
1951	---	---	---	8.93	3.72	0.505	0.141	0.040	0.100	0.238	---	---	---	1951
1952	---	---	---	2.20	0.501	0.276	0.244	0.012	0.112	0.083	---	---	---	1952
1953	---	---	---	6.79	1.88	4.20	1.85	0.405	0.085	0.081	---	---	---	1953
1954	---	---	---	2.26	1.95	8.90	3.45	0.880	1.04	1.13	1.24	---	---	1954
1955	---	---	---	22.0	18.2	6.49	3.21	0.984	0.580	0.813	---	---	---	1955
1956	---	---	0.052	21.7	8.29	2.29	1.59	1.23	0.202	0.452	---	---	4.29	1956
1957	---	---	3.00	5.80	2.20	0.926	0.253	0.884	0.164	0.089	---	---	1.64	1957
1958	---	---	3.65	6.61	0.453	0.044	0.004	0	0	0	---	---	1.33	1958
1959	---	---	0.078	0.171	0.134	0.123	0.080	0.007	0.009	0.026	---	---	0.182	1959
1960	---	---	0.189	6.86	0.591	0.258	0.035	0.001	0	0	---	---	0.990	1960
1961	---	---	0.054	0.024	0.074	0.117	0	0	0	0	---	---	0.033	1961
1962	---	---	0.077	0.071	0.003	0.018	0.001	0	0	0	---	---	0.021	1962
1963	---	---	1.81	0.138	0.152	0.263	0.313	0.124	0.139	0.008	---	---	0.344	1963
1964	---	---	0.001	3.57	1.02	0.244	0.166	0.013	0	0	---	---	0.819	1964
1965	---	---	0	1.24	0.895	0.855	0.852	0.309	0.162	0.033	---	---	0.492	1965
1966	---	---	2.89	3.81	0.755	0.166	0.028	0	0	0	---	---	0.941	1966
1967	---	---	0.014	1.17	0.862	0.144	0.007	0	0	0	---	---	0.273	1967
1968	---	---	1.66	0.304	0.097	0.008	0	0.002	0.001	0	---	---	0.235	1968
1969	---	---	0	26.2	2.53	0.282	1.85	0.308	0.017	0.101	---	---	3.82	1969
1970	---	---	0.145	8.32	8.12	1.70	1.31	0.098	0.006	0.274	---	---	2.49	1970
1971	0	0	0.252	8.94	2.99	0.621	0.882	0.032	0.012	0.045	0.034	0.002	1.89	1971
1972	0	0	1.17	7.25	1.91	1.17	0.119	0.123	0.023	0.005	0.005	0	2.21	1972
1973	0	0	0.524	0.272	0.252	0.241	0.018	0	0	0.021	0.059	0.012	0.186	1973
1974	---	---	0	22.8	7.84	1.44	0.287	0.034	0.011	0	---	---	4.02	1974
1975	---	---	0	17.4	18.1	4.97	0.717	0.854	2.30	0.882	---	---	5.72	1975
1976	---	---	0.377	51.5	6.36	2.86	1.81	0.588	0.152	0.045	0.087	---	7.84	1976
1977	---	---	0.152	0.812	0.753	0.383	0.018	0	0	0.042	0.244	---	0.288	1977
1978	---	---	0.881	2.85	1.09	0.431	0.227	0.012	0.041	0.019	---	---	0.838	1978
1979	---	---	0	15.6	9.86	1.78	0.362	0.013	0	0	---	---	3.40	1979
1980	---	---	0.034	3.48	0.440	0.836	0.001	0	0.004	0.001	---	---	0.492	1980
1981	---	0.285	0.088	0.070	0.040	0.004	0	0	0	0	---	---	0.025	1981
1982	---	---	0	11.7	1.37	0.242	0.081	0.026	0	0.008	---	---	1.84	1982
1983	---	---	0.046	7.36	5.38	0.650	0.130	0	0	0	---	---	1.81	1983
1984	---	---	1.18	0.351	0.140	0.001	0	0	0	0	---	---	0.210	1984
1985	---	---	3.91	2.50	0.847	0.088	0.026	0.001	0.002	0.018	---	---	0.874	1985
1986	---	---	2.18	0.783	0.800	0.291	0.430	0.097	0.003	0.018	---	---	0.583	1986
MEAN	0	0.076	0.878	6.52	2.45	0.951	0.448	0.153	0.102	0.100	0.258	0.020	1.54	MEAN

LOCATION - LAT 49 13 58 N DRAINAGE AREA, 8 080 km²
LONG 102 13 41 W REGULATED

MOOSE MOUNTAIN CREEK NEAR OXBOW - STATION NO 05ND004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	0.487 ON JUL 15	0 ON MAR 1 *	2 800	1916
1917	---	---	---	---	1917
			0 ON OCT 13	---	
1933	---	---	---	---	1933
1934	---	---	0 ON JUN 25	---	1934
		---	0 ON JUN 1	---	
1935	---	---	---	---	1935
1936	---	---	0 ON JUN 28	---	1936
1937	---	---	0 ON JUN 23	---	1937
1938	---	---	0 ON MAY 13	---	1938
1939	---	---	0 ON MAY 16	---	1939
		37.9 B ON MAR 25	0 ON MAY 30	---	
1940	---	---	---	---	1940
1941	---	0.193 ON APR 15	0 B ON APR 1	---	1941
1942	---	2.41 ON APR 2	0 ON JUN 25	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	80.1 ON MAR 27	0 ON AUG 8	---	1947
1948	---	---	---	---	1948
1949	---	88.7 ON APR 21	0 ON SEP 4	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	57.7 ON APR 12	0 B ON MAR 1	80 800	1956
1957	---	20.7 B ON MAR 23	0 B ON MAR 1	34 600	1957
1958	---	35.7 B ON MAR 31	0 B ON MAR 1	28 200	1958
1959	5.418 AT 18 30 CST ON MAR 18	3.77 ON MAR 20	0 B ON MAR 1	3 210	1959
1960	---	---	---	---	1960
1961	3.832 AT 12 00 CST ON JUN 1	44.2 B ON APR 5	0 B ON MAR 1	21 000	1961
1962	3.11 AT 01 00 CST ON MAR 31	1.34 E ON JUN 1	0 B ON MAR 1	706	1962
1963	---	1.13 ON MAR 31	0 ON MAR 1	447	1963
1964	16.1 B AT 21 00 CST ON APR 3	12.5 B ON MAR 23	0 B ON MAR 1	7 290	1964
		11.9 B ON APR 4	0 B ON MAR 1	13 100	
1965	15.5 AT 05 00 CST ON JUL 22	10.2 B ON APR 13	0 B ON MAR 1	10 400	1965
1966	40.2 B AT 18 00 CST ON MAR 31	33.1 B ON MAR 31	0 ON MAR 1	19 900	1966
1967	8.308 AT 15 30 CST ON APR 9	5.52 B ON APR 9	0 B ON MAR 1	5 740	1967
1968	8.928 AT 00 30 CST ON MAR 19	4.84 B ON MAR 19	0 ON MAR 1	4 880	1968
1969	---	113 B ON APR 10	0 B ON MAR 1	80 800	1969
1970	47.6 AT 13 00 CST ON APR 30	40.8 ON APR 30	0 B ON MAR 1	52 700	1970
1971	33.7 B AT 16 26 CST ON APR 8	33.8 B ON APR 8	0 B ON MAR 1	35 800	1971
1972	---	42.2 B ON MAR 22	0 B ON MAR 1	46 900	1972
1973	2.018 AT 14 37 CST ON MAR 13	1.80 B ON MAR 13	0 B ON MAR 1	3 510	1973
1974	148 AT 08 41 CST ON APR 18	133 ON APR 18	0 B ON MAR 1	85 100	1974
1975	80.4 AT 14 23 CST ON APR 29	75.6 ON APR 29	0 B ON MAR 1	121 000	1975
1976	215 AT 07 58 CST ON APR 9 *	181 ON APR 9 *	0.020 ON OCT 18	188 000	1976
1977	1.94 AT 17 52 CST ON APR 15	1.87 ON APR 15	0 ON JUL 28	5 820	1977
1978	17.3 B AT 22 36 CST ON MAR 31	10.6 B ON APR 1	0 B ON MAR 1	13 800	1978
1979	99.8 B AT 08 30 CST ON APR 21	88.3 B ON APR 21	0 B ON MAR 1	72 100	1979
1980	---	15.0 B ON APR 2	0 B ON MAR 1	10 400	1980
1981	---	0.3708 ON MAR 1	0 ON JUN 3	533	1981
1982	118 AT 10 20 CST ON APR 15	99.5 B ON APR 15	0 B ON MAR 1	34 800	1982
1983	36.4 AT 11 31 CST ON APR 20	31.3 ON APR 20	0 B ON MAR 1	38 400	1983
1984	8.498 AT 12 21 CST ON MAR 24	5.86 B ON MAR 24	0 B ON MAR 13	4 450	1984
1985	25.1 B AT 19 00 CST ON MAR 18	19.3 B ON MAR 19	0 B ON MAR 1	18 500	1985
1986	12.2 B AT 17 15 CST ON MAR 3	10.4 B ON MAR 4	0.001 ON SEP 8	11 700	1986
				33 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MORIN CREEK NEAR MEADOW LAKE - STATION NO 05AD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	0.986	0.387	---	---	---	---	---	---	---	---	1985
1986	---	---	0.735	---	---	---	---	---	---	---	---	---	---	1986
1970	---	---	---	2.80	---	---	---	---	---	---	---	---	---	1970
1976	---	---	0.005	0.758	0.119	0.024	0.004	0.001	0	0	---	---	0.112	1976
1977	---	---	0	0.300	0.328	0.189	0.030	0.005	0.010	0.004	---	---	0.105	1977
1978	---	---	0	1.01	3.01	0.211	0	0	0	0	---	---	0.403	1978
1979	---	---	0	1.35	0.934	0.214	0.006	0	0	0	---	---	0.309	1979
1980	---	---	0	0.735	0.005	0	0	0	0	0	---	---	0.091	1980
1981	---	---	0.019	0.180	0.045	0.001	0	0	0	0	---	---	0.028	1981
1982	---	---	0	1.45	0.487	0	0	0	0	0	---	---	0.236	1982
1983	---	---	0	0.569	0.015	0	0	0	0	0	---	---	0.072	1983
1984	---	---	0.139	0.751	1.14	1.53	0.181	0.037	0.047	0.100	---	---	0.488	1984
1985	---	---	0.016	2.19	1.76	0.342	0.004	0	0	0.002	---	---	0.538	1985
1986	---	---	0.694	1.28	0.202	0.089	0.187	1.89	0.208	0.117	---	---	0.541	1986
MEAN	---	---	0.133	1.09	0.815	0.236	0.035	0.148	0.024	0.030	---	---	0.285	MEAN

LOCATION - LAT 54 09 55 N
LONG 108 34 38 W
DRAINAGE AREA, 187 km^2
NATURAL FLOW

REMARKS - PRIOR TO 1978, DATA COLLECTED APPROX 2.0 KM UPSTREAM IN SE02-60-18-W3

MORIN CREEK NEAR MEADOW LAKE - STATION NO 05AD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1970	---	---	---	---	1970
1976	---	2 83 B ON APR 4	05 ON MAR 1 *	2 370	1976
1977	---	1 54 B ON APR 8	05 ON MAR 1	2 220	1977
1978	---	5 66 B ON APR 11	05 ON MAR 1	8 530	1978
1979	---	8 83 B ON APR 28	05 ON MAR 1	8 540	1979
1980	---	4 20 ON APR 14	05 ON MAR 1	1 930	1980
1981	0 3288 AT 08 50 CST ON APR 2	0 3278 ON APR 2	05 ON MAR 1	590	1981
1982	8 84 AT 20 33 CST ON APR 23 *	8 35 ON APR 24 *	05 ON MAR 1	5 000	1982
1983	5 98 B AT 08 18 CST ON APR 7	4 81 B ON APR 7	05 ON MAR 1	1 520	1983
1984	3 36 AT 04 01 CST ON MAY 28	3 31 ON MAY 28	05 ON MAR 1	10 300	1984
1985	5 46 AT 06 50 CST ON APR 11	5 70 ON APR 11	0 ON JUL 11	11 400	1985
1986	5 72 B AT 05 50 CST ON MAR 30	5 64 B ON MAR 31	0 ON JUL 6	11 400	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 820	MEAN

MORRISON DITCH NEAR EASTEND - STATION NO 11AC043

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0	0	0 085	0	0	0	0	---	---	0 008	1920
1921	---	---	0	0	0	0 054	0	0	0	0	---	---	0 007	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1936	---	---	0	0	0	0	0	0	0	0	---	---	0	1936
1937	---	---	0	0	0	0	0	0	0	0	---	---	0	1937
MEAN	---	---	0	0	0	0 007	0	0	0	0	---	---	0 001	MEAN

LOCATION - LAT 49 37 40 N
LONG 108 43 10 W
REGULATED

MORRISON DITCH NEAR EASTEND - STATION NO 11AC043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0 ON MAY 31 *	---	1919
1920	---	0 184 ON JUN 13 *	0 ON MAR 1	170	1920
1921	---	0 142 ON JUN 13	0 ON MAR 1	139	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1934	---	0 ON MAR 1	0 ON MAR 1	0	1934
1935	---	0 ON MAR 1	0 ON MAR 1	0	1935
1936	---	0 ON MAR 1	0 ON MAR 1	0	1936
1937	---	0 ON MAR 1	0 ON MAR 1	0	1937
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17	MEAN

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.351	0.185	0.054	0.017	0.055	0	0	0	---	---	0.082	1978
1979	---	---	0.731	0.595	0.080	0.001	0	0	0	0	---	---	0.176	1979
1980	---	---	0.496	0.027	0	0	0	0	0	0	---	---	0.066	1980
1981	---	---	0.009	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.575	0.580	0.083	0.108	0.027	0	0	0	---	---	0.178	1982
1983	---	0.051	0.443	0.131	0.033	0	0	0	0	0	---	---	0.076	1983
1984	---	---	0.081	0.013	0	0.001	0	0	0	0	---	---	0.012	1984
1985	---	0	0.530	0.063	0	0	0	0	0	0	---	---	0.075	1985
1986	---	0.147	0.272	0.001	0.021	0.078	0.001	0	0	0	---	---	0.047	1986
MEAN	---	0.066	0.388	0.184	0.029	0.023	0.009	0	0	0	---	---	0.079	MEAN

LOCATION - LAT 49 56 17 N DRAINAGE AREA 124 km²
LONG 107 26 13 W NATURAL FLOW

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	5.510 AT 02 40 CST ON MAR 27	3.00 B ON MAR 27	00 ON MAR 1 *	1 740	1978
1979	---	3.91 B ON MAR 19	00 ON MAR 1	3 720	1979
1980	---	2.28 B ON MAR 28	00 ON MAR 1	1 400	1980
1981	---	0.0520 ON MAR 1	00 ON MAR 21	28.4	1981
1982	7.588 AT 06 18 CST ON MAR 30 *	5.18 B ON MAR 30 *	00 ON MAR 1	3 770	1982
1983	5.66 AT 04 12 CST ON MAR 30	4.26 A ON MAR 30	0 ON JUN 3	1 820	1983
1984	1.528 AT 21 48 CST ON MAR 21	0.6588 ON MAR 22	00 ON MAR 1	253	1984
1985	4.518 AT 05 46 CST ON MAR 15	3.21 B ON MAR 15	00 ON MAR 6	1 580	1985
1986	---	2.26 B ON MAR 1	0 ON APR 11	883	1986
				1 680	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR VANGUARD - STATION NO. 05JB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	0	1.87	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.61	0.270	0.001	0	0	0	0	---	---	0.207	1975
1976	---	---	1.75	0.128	0	0	0	0	0	0	---	---	0.238	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
MEAN	---	---	0.440	0.852	0.090	0	0	0	0	0	---	---	0.148	MEAN

LOCATION - LAT 49 55 51 N DRAINAGE AREA 250 km²
LONG 107 20 50 W NATURAL FLOW

MOSQUITO CREEK NEAR VANGUARD - STATION NO. 05JB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	---	---	---	---	1974
1975	14.28 AT 14 30 CST ON APR 22 *	11.28 ON APR 22	00 ON MAR 1 *	4 400	1975
1976	---	14.28 ON MAR 19 *	00 ON MAR 1	5 040	1976
1977	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
				3 150	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO 05GB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	1 87	0 012	0 002	0 026	0	0	0	---	---	0 245	1971
1972	---	---	0 204	0 464	0	0	0	0 002	0	0	---	---	0 083	1972
1973	---	---	0 144	0 003	0	0	0	0	0	0	---	---	0 019	1973
1974	---	---	0	0 734	0 004	0	0	0	0	0	---	---	0 090	1974
1975	---	---	0	0 309	0 004	0	0 001	0	0	0	---	---	0 038	1975
1976	---	---	0	0 839	0 002	0	0 023	0	0	0	---	---	0 106	1976
1977	---	---	0	0	0 080	0 004	0	0	0	0	---	---	0 011	1977
1978	---	---	0 010	0 094	0 019	0	0	0	0	0	---	---	0 015	1978
1979	---	---	0 006	0 202	0	0	0 033	0	0	0	---	---	0 030	1979
1980	---	---	0 335	0 146	0	0	0	0	0	0	---	---	0 060	1980
1981	---	---	0 054	0 005	0	0	0	0	0	0	---	---	0 007	1981
1982	---	---	0	0 104	0 001	0 005	0	0	0	0	---	---	0 013	1982
1983	---	---	0	0 842	0	0 002	0 029	0	0	0	---	---	0 083	1983
1984	---	---	0 283	0 002	0	0	0	0	0	0	---	---	0 034	1984
1985	---	---	0 003	1 75	0 003	0	0	0	0	0	---	---	0 215	1985
1986	---	---	0 124	0 008	0	0	0	0	0	0	---	---	0 017	1986
MEAN	---	---	0 071	0 455	0 008	0 001	0 007	0	0	0	---	---	0 067	MEAN

LOCATION - LAT 52 13 50 N DRAINAGE AREA 252 km²
LONG 109 02 10 W NATURAL FLOW

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO 05GB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	53 2 AT 20 20 CST ON APR 10 *	18 3 ON APR 10 *	0 0 ON MAR 1 *	5 220	1971
1972	4 73 AT 22 45 CST ON APR 6	3 82 ON APR 6	0 0 ON MAR 1	1 750	1972
1973	2 00 B AT 16 37 CST ON MAR 18	1 23 B ON MAR 18	0 0 ON MAR 1	395	1973
1974	---	12 3 ON APR 19	0 0 ON MAR 1	1 810	1974
1975	4 81 AT 00 00 CST ON APR 22	2 83 ON APR 22	0 0 ON MAR 1	814	1975
1976	---	10 5 ON APR 6	0 0 ON MAR 1	2 250	1976
1977	2 20 AT 03 20 CST ON MAY 23	1 13 ON MAY 23	0 ON MAR 1	224	1977
1978	0 578 AT 12 53 CST ON APR 24	0 445 ON APR 24	0 0 ON MAR 1	320	1978
1979	1 60 AT 08 20 CST ON APR 19	1 29 ON APR 19	0 0 ON MAR 1	828	1979
1980	8 84 B AT 22 57 CST ON MAR 29	4 57 B ON MAR 29	0 0 ON MAR 1	1 280	1980
1981	0 744 AT 01 47 CST ON MAR 29	0 401 ON MAR 29	0 0 ON MAR 1	157	1981
1982	1 83 AT 10 47 CST ON APR 18	1 09 B ON APR 18	0 0 ON MAR 1	284	1982
1983	17 7 B AT 22 51 CST ON APR 6	8 04 B ON APR 7	0 0 ON MAR 1	1 750	1983
1984	7 29 AT 21 37 CST ON MAR 23	3 49 ON MAR 23	0 0 ON MAR 1	709	1984
1985	24 9 B AT 14 41 CST ON APR 3	10 9 B ON APR 3	0 0 ON MAR 1	4 550	1985
1986	2 69 B AT 02 10 CST ON MAR 28	1 34 B ON MAR 28	0 0 ON MAR 1	352	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 410	MEAN

MUDJATIK RIVER NEAR FORCIER LAKE - STATION NO 08BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	12 7	13 0	11 8	9 61	---	1971
1972	8 83	8 43	8 88	11 1	45 2	26 3	23 6	18 7	16 1	24 0	24 4	14 3	19 2	1972
1973	12 5	12 2	12 0	14 5	26 8	24 0	85 7	55 2	31 1	31 0	28 1	19 9	29 6	1973
1974	14 2	11 8	11 9	33 6	53 2	53 8	53 7	54 7	45 9	40 4	33 9	27 2	36 4	1974
1975	17 4	14 8	14 2	23 4	37 6	35 5	41 1	35 8	41 9	38 9	29 0	13 3	28 7	1975
1976	13 0	10 9	10 8	26 5	28 4	27 5	50 4	67 2	73 5	43 4	35 5	25 3	34 4	1976
1977	---	---	---	---	---	---	---	---	40 4	41 4	---	---	---	1977
1978	14 8	12 0	11 3	19 0	59 3	52 4	31 8	33 7	41 2	45 5	36 1	19 9	31 5	1978
1979	14 7	12 9	13 2	14 2	57 7	58 2	26 6	27 9	28 6	32 8	27 3	18 4	28 6	1979
1980	11 8	12 1	12 3	27 5	29 8	19 3	18 6	22 3	24 1	28 7	25 5	15 3	20 6	1980
1981	12 1	12 4	13 7	20 5	35 1	26 0	19 0	12 9	10 4	11 3	10 4	9 81	16 2	1981
1982	7 00	6 23	6 38	13 9	52 5	51 4	34 5	35 2	20 1	24 8	19 3	15 1	24 8	1982
1983	13 1	13 7	14 2	22 7	38 1	48 3	31 7	22 9	21 2	24 1	21 7	16 1	24 0	1983
1984	13 1	12 7	11 6	25 7	34 9	33 6	21 8	17 3	15 5	18 3	19 0	15 9	19 9	1984
1985	12 4	11 3	10 7	20 4	68 5	46 1	33 6	25 1	20 0	22 1	17 5	14 6	25 3	1985
1986	12 6	10 5	10 8	14 7	48 1	39 5	77 1	66 8	33 0	27 3	20 7	18 5	31 8	1986
MEAN	12 7	11 6	11 6	20 6	44 0	38 7	39 9	35 4	30 4	29 2	24 0	16 9	26 5	MEAN

LOCATION - LAT 56 05 30 N DRAINAGE AREA 5 940 km²
LONG 107 35 30 W NATURAL FLOW

MUDJATIK RIVER NEAR FORCIER LAKE - STATION NO. 08BC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	65.18 ON MAY 3	7.938 ON FEB 15	606 000	1972
1973	113 AT 14 35 CST ON JUL 18 *	113 ON JUL 18 *	11.8 B ON JAN 14	935 000	1973
1974	73.6 AT 04 18 CST ON APR 28	73.3 ON APR 28	11.8 B ON MAR 13	1 150 000	1974
1975	48.1 AT 03 51 CST ON JUL 20	46.7 ON JUL 20	12.3 B ON DEC 8	903 000	1975
1976	83.8 AT 07 44 CST ON SEP 8	83.0 ON SEP 7	10.0 B ON FEB 16	1 080 000	1976
1977	---	---	---	---	1977
1978	---	71.0E ON MAY 13	10.8 B ON MAR 12	935 000	1978
1979	---	88.0E ON MAY 26	12.4 B ON FEB 16	904 000	1979
1980	43.0 AT 12 00 CST ON APR 23	41.7 ON APR 24	10.8 B ON JAN 17	652 000	1980
1981	37.3 AT 18 58 CST ON MAY 13	37.2 ON MAY 13	7.338 ON OCT 23	510 000	1981
1982	57.5 AT 03 53 CST ON MAY 23	57.5 ON MAY 23	5.808 ON FEB 20 *	782 000	1982
1983	63.1B AT 16 20 CST ON APR 25	57.4B ON APR 25	12.1 B ON JAN 7	767 000	1983
1984	46.2 AT 00 01 CST ON APR 15	42.8 ON MAY 22	11.1 B ON MAR 23	631 000	1984
1985	82.8 AT 15 25 CST ON MAY 18	82.5 ON MAY 18	9.518 ON APR 18	789 000	1985
1986	96.7 AT 04 52 CST ON JUL 30	96.4 ON JUL 30	5.978 ON MAR 1	1 000 000	1986
				837 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MULE CREEK AT GUNN'S RANCH NEAR NUMMOLA - STATION NO. 11AC014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.003	0.037	0.011	0.004	0.013	0.025	---	---	---	1914
1915	---	---	---	0.256	0.039	0.057	0.038	0.011	0.011	0.016	---	---	---	1915
1916	---	---	---	---	---	---	---	0.040	0.008	0.063	---	---	---	1916
MEAN	---	---	---	0.256	0.021	0.047	0.025	0.018	0.011	0.035	---	---	---	MEAN

LOCATION - LAT 49 25 45 N
LONG 108 14 00 W
DRAINAGE AREA 205 km^2
NATURAL FLOW

MULL EAST DITCH - STATION NO. 11AB051

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 30 N
LONG 109 48 30 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

MULL EAST DITCH - STATION NO. 11AB051

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

MULL WEST DITCH - STATION NO. 11AB052

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 30 N
LONG 109 49 00 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

MULL WEST DITCH - STATION NO. 11AB052

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

MULLNER CREEK NEAR VERNDALE - STATION NO 05KA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	0.038	0.006	0.004	0	0	---	---	---	---	1919
1921	---	---	---	---	0.072	0.115	0.083	0.046	0.028	0.007	---	---	---	1921
1922	---	---	0	0.026	0.079	0.077	0.056	0.037	0.024	0.002	---	---	0.040	1922
1923	---	---	0	0.004	0	0.009	0.007	0.003	0.002	0.001	---	---	0.003	1923
1924	---	---	0	0.019	0.013	0.008	0	0	0	0	---	---	0.005	1924
1925	---	---	0.002	0.009	0	0.004	0.001	0	0	0	---	---	0.002	1925
1926	---	---	0.002	0	0.002	---	---	---	---	---	---	---	---	1926
MEAN	---	---	0.001	0.012	0.028	0.037	0.025	0.018	0.009	0.002	---	---	0.013	MEAN

LOCATION - LAT 52 34 00 N DRAINAGE AREA 848 km²
LONG 105 07 00 W NATURAL FLOW

MULLNER CREEK NEAR VERNDALE - STATION NO 05KA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1919	---	---	0.0 ON APR 6 B	---	1919
1921	---	---	0 ON OCT 15	---	1921
1922	---	0.113 ON MAY 25 *	0.0 ON MAR 1	947	1922
1923	---	0.023 ON APR 17	0.0 ON MAR 1	71.8	1923
1924	---	0.061 ON APR 18	0.0 ON MAR 1	104	1924
1925	---	0.0618 ON APR 4	0.0 ON MAR 1	41.3	1925
1926	---	---	0.0 ON MAR 1	---	1926
				286	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NASHLYN CANAL NEAR CONSUL - STATION NO 11AB018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0	0	0	0.026	0.022	0	0	---	---	0.006	1912
1914	---	---	0	0.055	0.275	0.128	0	0	0	0	---	---	0.057	1914
1915	---	---	0	0.071	0.103	0.068	0	0	0	0	---	---	0.030	1915
1916	---	---	0	0	0	0.020	0.054	0	0	0	---	---	0.009	1916
1917	---	---	0	0	0	0.068	0.138	0	0	0	---	---	0.028	1917
1918	---	---	0	0	0.003	0.182	0.032	0	0	0	---	---	0.024	1918
1919	---	---	0	0.013	0.134	0.132	0	0	0	0	---	---	0.035	1919
1920	---	---	0	0.086	0.233	0.196	0.030	0	0	0	---	---	0.085	1920
1921	---	---	0	0.127	0.201	0.380	0.032	0	0	0	---	---	0.082	1921
1922	---	---	0	0	0.014	0.155	0.009	0	0	0	---	---	0.022	1922
1923	---	---	0	0	0.208	0.075	0.001	0	0	0	---	---	0.035	1923
1924	---	---	0	0.032	0.176	0.111	0.007	0	0	0	---	---	0.041	1924
1925	---	---	0	0.057	0.180	0.094	0	0	0	0	---	---	0.039	1925
1926	---	---	0	0.048	0.139	0.096	0	0	0	0	---	---	0.035	1926
1927	---	---	0	0	0.043	0.002	0	0	0	0	---	---	0.006	1927
1928	---	---	0	0.003	0.103	0.111	0.004	0	0	0	---	---	0.027	1928
1929	---	---	0	0.006	0.074	0.097	0	0	0	0	---	---	0.022	1929
1930	---	---	0	0.002	0.147	0.151	0.013	0	0	0	---	---	0.039	1930
1931	---	---	0	0.024	0.045	0.024	0	0	0	0	---	---	0.012	1931
1942	---	---	0.105	0.447	0.380	0	0	0	0	0	---	---	0.114	1942
1944	---	---	0	0.281	0.136	0.135	0	0	0	0	---	---	0.088	1944
1946	---	---	0.204	0.156	0.159	0.093	0	0	0	0	---	---	0.076	1946
1947	---	---	0	0.292	0.091	0.187	0	0	0	0	---	---	0.070	1947
1948	---	---	0	0.297	0.351	0.218	0.045	0	0	0	---	---	0.113	1948
1949	---	---	0	0.181	0.244	0.190	0.108	0	0	0	---	---	0.080	1949
1950	---	---	0	0.212	0.256	0.154	0.083	0.083	0	0	---	---	0.096	1950
1951	---	---	0	0.128	0.510	0.028	0.012	0	0	0	---	---	0.085	1951
1952	---	---	0	0.823	0	0.090	0.082	0	0	0	---	---	0.134	1952
1953	---	---	0.016	0.449	0.286	0.034	0	0.001	0.054	0	---	---	0.104	1953
1954	---	---	0	0.243	0.204	0.011	0.025	0.048	0	0	---	---	0.066	1954
1955	---	---	0.008	0.613	0.076	0.002	0.005	0.002	0	0	---	---	0.087	1955
1956	---	---	0	0.177	0.369	0.227	0.015	0	0	0	0.013	---	0.098	1956
1957	---	---	0.023	0.377	0.413	0.251	0.003	0.182	0.093	0	---	---	0.167	1957
1958	---	---	0.010	0.406	0.246	0.140	0.023	0.066	0.003	0.010	---	---	0.112	1958
1959	---	---	0.003	0.427	0.405	0.403	0.012	0	0	0	---	---	0.155	1959
1960	---	---	0.233	0.703	0.039	0.296	0.017	0.075	0	0	---	---	0.158	1960
1961	---	---	0.140	0.333	0.260	0	0	0	0	0.006	---	---	0.092	1961
1962	---	---	0.175	0.434	0	0.131	0	0.001	0	0.018	---	---	0.094	1962
1963	---	---	0.286	0.427	0.111	0	0.081	0	0	0	---	---	0.111	1963
1964	---	---	0.003	0.868	0.156	0.089	0	0	0	0.025	---	---	0.116	1964
1965	---	---	0	0.500	0.138	0	0.101	0	0	0	---	---	0.092	1965
1966	---	---	0.133	0.285	0.158	0.058	0.062	0.052	0	0	---	---	0.083	1966
1967	---	---	0	0.375	0.300	0.133	0.208	0.028	0.026	0	---	---	0.133	1967
1968	---	---	0.184	0.594	0.214	0	0.082	0	0.018	0	---	---	0.133	1968
1969	---	---	0	0.382	0.171	0.029	0.141	0.033	0	0.030	---	---	0.098	1969
1970	---	---	0	0.338	0.485	0.093	0.167	0	0.020	0.023	---	---	0.138	1970
1971	---	---	0	0.265	0.454	0	0.214	0	0	0	---	---	0.117	1971
1972	---	---	0.267	0.375	0.168	0	0.187	0	0	0	---	---	0.122	1972
1973	---	---	0.302	0.380	0.111	0	0.181	0.001	0	0	---	---	0.119	1973
1974	---	---	0	0.508	0.225	0.154	0.131	0.006	0	0	---	---	0.127	1974
1975	---	---	0	0.272	0.350	0.148	0.189	0.001	0	0	---	---	0.120	1975
1976	---	---	0.154	0.387	0.189	0	0.215	0	0	0	---	---	0.119	1976
1977	---	---	0.102	0.379	0.313	0.037	0.210	0	0	0	---	---	0.130	1977
1978	---	---	0	0.578	0.033	0.130	0	0	0	0	---	---	0.091	1978
1979	---	---	0.147	0.857	0.245	0.001	0.191	0.021	0	0	---	---	0.157	1979
1980	---	---	0.058	0.675	0.292	0.002	0.133	0	0	0	---	---	0.144	1980
1981	---	---	0.318	0.217	0.352	0.001	0	0	0	0	---	---	0.111	1981
1982	---	---	0	0.380	0.398	0	0	0	0	0	---	---	0.097	1982
1983	---	---	0.054	0.602	0.132	0	0	0	0	0	---	---	0.097	1983
1984	---	---	0	0.365	0.281	0.018	0	0	0	0	---	---	0.083	1984
1985	---	---	0	0.574	0.238	0	0	0	0	0	---	---	0.100	1985
1986	---	---	0.786	0.102	0.141	0.057	0	0	0.064	0	---	---	0.142	1986
MEAN	---	---	0.059	0.288	0.195	0.081	0.052	0.010	0.004	0.002	0.013	---	0.087	MEAN

LOCATION - LAT 49 13 56 N
LONG 109 33 27 W REGULATED

INTERNATIONAL GAUGING STATION

NASHLYN CANAL NEAR CONSUL - STATION NO 11AB018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 5 *	---	1911
1912	---	0.096 ON AUG 3	0 ON MAR 1	129	1912
1914	---	0.323 ON MAY 9	0 ON MAR 1	1 210	1914
1915	---	0.283 ON MAY 14	0 ON MAR 1	634	1915
1916	---	0.173 ON JUN 28	0 ON MAR 1	196	1916
1917	---	0.300 ON JUN 20	0 ON MAR 1	597	1917
1918	---	0.244 ON JUN 13	0 ON MAR 1	513	1918
1919	---	0.227 ON JUN 13	0 ON MAR 1	733	1919
1920	---	0.425 ON JUN 9	0 ON MAR 1	1 380	1920
1921	---	0.524 ON JUN 21	0 ON MAR 1	1 940	1921
1922	---	0.249 ON JUN 16	0 ON MAR 1	463	1922
1923	---	0.382 ON MAY 17	0 ON MAR 1	747	1923
1924	---	0.218 ON JUN 13	0 ON MAR 1	858	1924
1925	---	0.212 ON APR 28	0 ON MAR 1	822	1925
1926	---	0.139E ON MAY 1	0 ON MAR 1	745	1926
1927	---	0.331 ON MAY 23	0 ON MAR 1	119	1927
1928	---	0.224 ON MAY 17	0 ON MAR 1	582	1928
1929	---	0.119E ON JUN 8	0 ON MAR 1	484	1929
1930	---	0.229 ON JUN 1	0 ON MAR 1	826	1930
1931	---	0.045E ON MAY 1	0 ON MAR 1	245	1931
1942	---	0.858 ON MAY 12	0 ON MAR 1	2 400	1942
1944	---	0.351 ON APR 20	0 ON MAR 1	1 440	1944
1946	---	0.204E ON MAR 1	0 ON JUL 1	1 820	1946
1947	---	0.282E ON APR 1	0 ON MAR 1	1 490	1947
1948	---	0.351E ON MAY 1	0 ON MAR 1	2 400	1948
1949	---	0.244E ON MAY 1	0 ON MAR 1	1 900	1949
1950	---	0.529 ON APR 24	0 ON MAR 1	2 030	1950
1951	---	1.23 ON MAY 4	0 ON MAR 1	1 810	1951
1952	---	2.41 ON APR 14 *	0B ON MAR 1	2 840	1952
1953	---	0.708 ON APR 30	0B ON MAR 1	2 200	1953
1954	---	0.597 ON MAY 9	0 ON MAR 1	1 400	1954
1955	---	1.21 ON APR 15	0B ON MAR 1	1 840	1955
1956	---	0.532 ON MAY 13	0 ON MAR 1	2 070	1956
1957	---	0.838 ON MAY 3	0B ON MAR 1	3 540	1957
1958	---	0.895 ON APR 2	0 ON MAR 1	2 370	1958
1959	---	0.986 ON APR 16	0B ON MAR 1	3 280	1959
1960	---	0.963 ON APR 4	0B ON MAR 1	3 560	1960
1961	---	0.589 ON MAY 5	0 ON MAR 1	1 950	1961
1962	---	1.26 ON MAR 27	0B ON MAR 1	1 990	1962
1963	---	1.17 ON APR 8	0 ON APR 25	2 380	1963
1964	---	1.23 ON APR 11	0 ON MAR 1	2 450	1964
1965	---	1.24 ON APR 19	0B ON MAR 1	1 940	1965
1966	---	0.988 ON MAR 30	0B ON MAR 1	1 980	1966
1967	---	1.20 ON MAY 5	0B ON MAR 1	2 820	1967
1968	---	0.841 ON APR 14	0 ON MAR 1	2 820	1968
1969	---	0.980 ON APR 11	0B ON MAR 1	2 070	1969
1970	---	1.08 ON JUL 24	0 ON MAR 1	2 920	1970
1971	---	0.838 ON APR 28	0 ON MAR 1	2 480	1971
1972	---	0.9208 ON MAR 27	0 ON MAR 1	2 590	1972
1973	---	0.7788 ON MAR 29	0B ON MAR 1	2 530	1973
1974	---	0.773 ON APR 30	0B ON MAR 1	2 880	1974
1975	---	0.869 ON MAY 7	0B ON MAR 1	2 530	1975
1976	---	0.881 ON APR 4	0 ON MAR 1	2 520	1976
1977	---	0.872 ON MAY 17	0 ON MAR 1	2 750	1977
1978	---	1.00 B ON APR 11	0B ON MAR 1	1 930	1978
1979	---	0.989 ON MAY 29	0B ON MAR 1	3 320	1979
1980	---	1.07 ON APR 23	0B ON MAR 1	3 050	1980
1981	---	0.936 ON APR 29	0 ON MAR 1	2 380	1981
1982	---	1.40 ON APR 22	0B ON MAR 1	2 040	1982
1983	---	1.12 ON APR 9	0 ON MAR 1	2 080	1983
1984	---	0.825 ON APR 9	0 ON MAR 1	1 750	1984
1985	---	0.977 ON MAY 18	0 ON MAR 1	2 130	1985
1986	---	1.34 ON MAR 7	0 ON APR 15	3 000	1986
				1 850	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEEDHAM DITCH NEAR PIAPOT - STATION NO 05HA017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1916	---	---	---	---	---	---	0.049	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	---	0.049	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 55 54 N
LONG 109 08 17 W
REGULATED

NEEDHAM DITCH NEAR PIAPOT - STATION NO 05HA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	OR ON JUL 20 *	---	1911
1912	---	---	0 ON JUN 18	---	1912
1916	---	---	0 ON JUL 1	---	1916
1917	---	---	0 ON MAY 18	---	1917
1918	---	---	OR ON MAY 2	---	1918
1919	---	---	0 ON APR 24	---	1919
1920	---	---	0 ON JUN 18	---	1920
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

NEWTON LAKE MAIN CANAL - STATION NO 11AC054

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	0	0.075	0.443	0.242	0.005	0	0	0	---	---	0.085	1937
1938	---	---	0.036	0.285	0.468	0.417	0.086	0.128	0.089	0.135	0.038	---	0.200	1938
1939	---	---	0	0.017	0.319	0.232	0.533	0.420	0.083	0.070	---	---	0.211	1939
1940	---	---	0	0	0.084	0.097	1.20	0.283	0.192	0.662	---	---	0.318	1940
1941	---	---	0	0	0.261	0.581	0.709	0.236	0.167	0.190	---	---	0.266	1941
1942	---	---	0	0.044	0.218	0.878	0.722	0.533	0.146	0.088	---	---	0.328	1942
1943	---	---	0	0.034	0.378	1.11	0.718	0.338	0.185	0.076	---	---	0.350	1943
1944	---	---	0	0.008	0.429	0.446	0.844	0.493	0.359	0.262	---	---	0.331	1944
1945	---	---	0	0.007	0.334	0.857	0.918	0.586	0.161	0.007	---	---	0.356	1945
1946	---	---	0	0.173	0.577	0.853	0.778	0.255	0.012	0	---	---	0.382	1946
1947	---	---	0	0.002	0.696	0.340	1.22	0.314	0	0	---	---	0.324	1947
1948	---	---	0	0	0.443	0.911	0.833	0.884	0.278	0.025	---	---	0.397	1948
1949	---	---	0	0.149	1.16	0.801	0.229	0.082	0.025	0.018	---	---	0.308	1949
1950	---	---	0	0.036	0.238	1.02	1.09	0.452	0.073	0.016	---	---	0.366	1950
1951	---	---	0	0	0.323	1.09	1.15	0.608	0	0.035	---	---	0.401	1951
1952	---	---	0	0	0	0.887	0.901	0.182	0.090	0	---	---	0.232	1952
1953	---	---	0.081	0.003	0.312	0.108	0.804	0.488	0.101	0.001	---	---	0.236	1953
1954	---	---	0	0	0.187	0.531	1.13	0.387	0.016	0.006	---	---	0.284	1954
1955	---	---	0.003	0.023	0.005	1.21	0.200	0.065	0.114	0.076	---	---	0.210	1955
1956	---	---	0	0	0.355	1.17	0.604	0.483	0.044	0.082	---	---	0.340	1956
1957	---	---	0	0	0.884	1.18	0.576	0.480	0.106	0	---	---	0.401	1957
1958	---	---	0	0	1.18	0.881	0.756	0.908	0.025	0	---	---	0.485	1958
1959	---	---	0	0	0.929	1.05	0.663	0.763	0.001	0	---	---	0.427	1959
1960	---	---	0	0	0.148	1.59	0.781	0.552	0.016	0	---	---	0.384	1960
1961	---	---	0	0	0.467	1.28	0.298	0.087	0	0	---	---	0.259	1961
1962	---	---	0	0	1.16	0.533	0.435	0.308	0.022	0	---	---	0.309	1962
1963	---	---	0	0	0.059	1.60	0.830	0.854	0	0	---	---	0.404	1963
1964	---	---	0	0	0.477	1.34	0.239	0	0	0	---	---	0.255	1964
1965	---	---	0	0	0.433	0.865	0.552	0.898	0.037	0	---	---	0.349	1965
1966	---	---	0	0	0.731	1.14	0.812	1.01	0	0	---	---	0.463	1966
1967	---	---	0	0	0	1.39	1.57	0.411	0	0	---	---	0.421	1967
1968	---	---	0	0	1.16	0.815	1.54	0.355	0	0	---	---	0.486	1968
1969	---	---	0	0	0.077	1.52	0	1.69	0.122	0	---	---	0.424	1969
1970	---	---	0	0	0.705	0.820	0.558	1.30	0	0	---	---	0.425	1970
1971	---	---	0	0	0.810	1.14	1.05	0.603	0	0	---	---	0.451	1971
1972	---	---	0	0	0.651	1.37	1.42	0.283	0	0	---	---	0.464	1972
1973	---	---	0	0	1.30	0.381	1.31	0.341	0	0	---	---	0.420	1973
1974	---	---	0	0	0	1.87	1.14	0.585	0	0	---	---	0.446	1974
1975	---	---	0	0	0.076	1.28	1.22	0.189	0	0	---	---	0.345	1975
1976	---	---	0	0	1.08	0.881	0.877	0.525	0	0	---	---	0.422	1976
1977	---	---	0	0	1.48	0.371	0.686	0.777	0	0	---	---	0.418	1977
1978	---	---	0	0	0.561	0.882	0.398	1.08	0	0	---	---	0.366	1978
1979	---	---	0	0	0.574	1.03	1.01	0.464	0	0	---	---	0.385	1979
1980	---	---	0	0	1.80	0.036	1.46	0.197	0	0	---	---	0.442	1980
1981	---	---	0	0.206	1.68	0.006	0	0	0	0	---	---	0.236	1981
1982	---	---	0	0	0.847	0.960	0.545	0.905	0	0	---	---	0.408	1982
1983	---	---	0.007	0.017	0.757	1.15	1.05	0.423	0.003	0	---	---	0.427	1983
1984	---	---	0	0.389	1.34	0	0	0	0	0	---	---	0.217	1984
1985	---	---	0	0	1.41	0.587	0.248	0	0	0	---	---	0.281	1985
1986	---	---	0	0	0.234	1.57	1.14	0.071	0	0	---	---	0.375	1986
MEAN	---	---	0.003	0.029	0.612	0.883	0.754	0.456	0.049	0.035	0.038	---	0.351	MEAN

LOCATION - LAT 49 18 18 N
LONG 107 48 05 W REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

NEWTON LAKE MAIN CANAL - STATION NO. 11AC054

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	---	1.50 ON MAY 5	0 ON MAR 1 *	2 020	1937
1938	---	0.824 ON MAY 30	0 ON MAR 1	4 230	1938
1939	---	1.17 ON JUL 16	0 ON MAR 1	4 480	1939
1940	---	2.10 ON JUL 19	0 ON MAR 1	5 720	1940
1941	---	1.04 ON JUN 23	0 ON MAR 1	5 830	1941
1942	---	1.47 ON JUL 27	0 ON MAR 1	6 940	1942
1943	---	1.58 ON JUN 1	0 ON MAR 1	7 410	1943
1944	---	1.84 A ON MAY 28	0 ON MAR 1	7 000	1944
1945	---	1.70 ON MAY 31	0 ON MAR 1	7 540	1945
1946	---	1.37 ON APR 30	0 ON MAR 1	8 070	1946
1947	---	2.15 ON MAY 20	0 ON MAR 1	6 870	1947
1948	---	2.21 ON JUN 1	0 ON MAR 1	8 400	1948
1949	---	1.50 ON MAY 7	0 ON MAR 1	6 520	1949
1950	---	2.07 ON JUN 5	0 ON MAR 1	7 740	1950
1951	---	2.55 ON JUN 2	0 ON MAR 1	8 490	1951
1952	---	2.52 ON JUN 27	0 ON MAR 1	4 910	1952
1953	---	1.76 ON MAR 28	0 ON MAR 1	5 000	1953
1954	---	1.87 ON JUL 21	0 ON MAR 1	6 010	1954
1955	---	2.24 ON JUN 18	0 ON MAR 1	4 430	1955
1956	---	1.87 ON JUN 10	0 ON MAR 1	7 200	1956
1957	---	1.93 ON JUN 7	0 ON MAR 1	8 490	1957
1958	---	2.32 ON MAY 23	0 ON MAR 1	10 300	1958
1959	---	1.78 ON JUN 20	0 ON MAR 1	8 040	1959
1960	---	2.04 ON JUN 7	0 ON MAR 1	8 120	1960
1961	---	2.10 ON MAY 31	0 ON MAR 1	5 480	1961
1962	---	2.15 ON JUL 13	0 ON MAR 1	6 550	1962
1963	---	2.19 ON JUN 17	0 ON MAR 1	8 580	1963
1964	---	2.35 ON JUN 5	0 ON MAR 1	5 400	1964
1965	---	1.87 ON JUN 9	0 ON MAR 1	7 380	1965
1966	---	2.80 ON AUG 1	0 ON MAR 1	9 790	1966
1967	---	2.67 ON JUN 7	0 ON MAR 1	8 900	1967
1968	---	2.68 ON MAY 24	0 ON MAR 1	10 300	1968
1969	---	2.68 ON JUN 5	0 ON MAR 1	8 950	1969
1970	---	2.70 ON MAY 31	0 ON MAR 1	8 980	1970
1971	---	2.63 ON JUN 2	0 ON MAR 1	8 540	1971
1972	---	2.83 ON JUN 1	0 ON MAR 1	9 820	1972
1973	---	2.78 ON MAY 26	0 ON MAR 1	8 890	1973
1974	---	3.37 ON JUN 15	0 ON MAR 1	9 430	1974
1975	---	3.11 ON JUN 7	0 ON MAR 1	7 300	1975
1976	---	3.45 ON MAY 26 *	0 ON MAR 1	8 930	1976
1977	---	2.92 ON MAY 14	0 ON MAR 1	8 840	1977
1978	---	2.86 ON JUN 4	0 ON MAR 1	7 750	1978
1979	---	3.25 ON JUL 27	0 ON MAR 1	8 150	1979
1980	---	3.09 ON MAY 17	0 ON MAR 1	8 380	1980
1981	---	2.83 ON MAY 9	0 ON MAR 1	5 000	1981
1982	---	3.12 ON MAY 27	0 ON MAR 1	8 850	1982
1983	---	2.85 ON MAY 28	0 ON AUG 11	9 030	1983
1984	---	2.88 ON APR 29	0 ON MAR 1	4 590	1984
1985	---	2.82 ON MAY 22	0 ON MAR 1	5 950	1985
1986	---	3.04 ON JUN 3	0 ON MAR 1	7 940	1986
				7 420	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 05AE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.075	---	---	---	---	---	---	---	---	---	1984
1985	---	---	---	1.42	0.422	---	---	---	---	---	---	---	---	1985
1988	---	---	0.229	0.115	---	---	---	---	---	---	---	---	---	1988
1989	---	---	---	3.04	0.716	---	---	---	---	---	---	---	---	1989
1970	---	---	---	1.98	0.877	---	---	---	---	---	---	---	---	1970
1974	---	---	---	2.87	2.32	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.411	0.808	0.448	0.028	0	0	0	---	---	0.224	1975
1976	---	---	0	0.120	0.027	0	0	0	0	0	---	---	0.018	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.735	0.202	0.015	0	0	0	0	---	---	0.117	1978
1979	---	---	0	0.875	2.31	0.148	0.001	0	0	0	---	---	0.417	1979
1980	---	---	0	0.278	0.004	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.020	0.819	0.178	0	0	0	0	0	---	---	0.125	1981
1982	---	---	0	0.384	0.075	0.005	0	0	0	0	---	---	0.058	1982
1983	---	---	0	1.00	0.459	0.005	0.006	0	0	0	---	---	0.182	1983
1984	---	---	0	0.075	0.134	1.12	0.038	0.002	0	0.004	---	---	0.189	1984
1985	---	---	0	5.39	3.09	0.055	0	0	0	0	---	---	1.06	1985
1986	---	---	0.117	0.571	0.054	0.002	0	0	0	0	---	---	0.092	1986
MEAN	---	---	0.028	1.12	0.736	0.150	0.006	0	0	0	---	---	0.208	MEAN

LOCATION - LAT 53 21 17 N
LONG 107 28 01 W

DRAINAGE AREA, 432 km^2
NATURAL FLOW

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 05HE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1968	---	1.27 ON MAR 28	0.0 ON MAR 1 *	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	2.04 ON MAY 2	0.0 ON MAR 1	4 730	1975
1976	---	0.408 ON APR 9	0.0 ON MAR 1	382	1976
1977	---	0.0 B ON MAR 1	0.0 ON MAR 1	0	1977
1978	---	1.99 B ON APR 12	0.0 ON MAR 1	2 480	1978
1979	---	7.70 E ON APR 26	0.0 ON MAR 1	6 830	1979
1980	1.780 AT 15:28 CST ON APR 16	1.65 B ON APR 16	0.0 ON MAR 1	729	1980
1981	1.90 AT 21:19 CST ON APR 20	1.48 ON APR 20	0.0 ON MAR 1	2 650	1981
1982	1.178 AT 15:26 CST ON APR 20	1.14 B ON APR 20	0.0 ON MAR 1	1 230	1982
1983	5.650 AT 00:17 CST ON APR 21	4.97 B ON APR 20	0.0 ON MAR 1	3 650	1983
1984	3.90 AT 05:26 CST ON JUN 13	3.74 ON JUN 13	0.0 ON MAR 1	3 980	1984
1985	14.1 AT 00:58 CST ON APR 24 *	13.6 ON APR 23 *	0.0 ON MAR 1	22 400	1985
1986	2.078 AT 21:02 CST ON APR 1	1.88 B ON APR 2	0.0 ON MAR 1	1 940	1986
				4 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	435	394	357	---	---	---	---	1910
1911	---	---	---	---	---	420	735	727	488	219	102	73.8	---	1911
1912	42.6	44.8	44.7	231	318	621	1 000	851	631	284	139	85.5	341	1912
1913	47.1	44.9	56.2	463	344	540	742	711	413	201	85.7	51.8	310	1913
1914	34.6	33.7	36.7	123	375	880	834	612	282	220	106	71.8	345	1914
1915	49.8	48.9	48.3	256	188	709	1 710	706	425	217	110	83.4	366	1915
1916	60.3	31.7	36.5	210	265	683	932	710	852	327	174	89.1	367	1916
1917	62.3	57.0	50.4	246	747	855	635	406	287	186	114	40.8	309	1917
1918	53.2	47.3	49.0	246	216	447	479	352	231	180	76.0	39.7	202	1918
1919	34.0	34.6	24.7	155	154	218	336	424	319	126	56.7	45.7	161	1919
1920	61.1	35.5	36.8	107	884	893	828	502	252	150	83.1	62.8	306	1920
1921	27.0	31.7	27.4	402	437	484	476	406	208	100	63.0	39.8	226	1921
1922	24.5	22.1	28.7	146	318	613	403	667	318	161	75.0	21.7	199	1922
1923	25.2	23.6	23.5	98.3	178	765	820	582	384	197	95.8	77.6	273	1923
1924	28.9	43.1	49.4	110	337	373	452	441	325	146	63.1	83.2	203	1924
1925	42.8	38.8	36.0	508	305	478	481	842	505	283	112	71.5	295	1925
1926	46.5	34.8	51.3	283	204	281	465	329	732	330	105	74.3	252	1926
1927	62.9	41.6	62.0	288	631	801	827	618	400	242	107	58.1	320	1927
1928	77.4	48.9	66.9	202	289	747	970	508	285	132	63.9	45.7	281	1928
1929	34.1	27.5	39.2	119	226	531	284	302	189	119	56.4	37.5	163	1929
1930	33.9	35.7	43.8	181	194	610	504	394	251	124	50.4	38.4	188	1930
1931	27.6	26.3	31.8	112	155	336	851	436	301	142	74.1	51.1	188	1931
1932	42.8	34.1	30.0	278	408	815	487	401	321	145	57.0	46.1	255	1932
1933	46.5	39.5	31.5	142	507	494	497	353	284	110	52.7	41.5	218	1933
1934	38.1	42.7	56.7	224	268	482	335	302	215	126	68.9	42.5	182	1934
1935	20.7	23.8	30.5	130	355	487	808	581	270	138	81.0	58.6	252	1935
1936	36.6	30.6	26.5	379	563	527	358	351	243	116	59.3	40.3	230	1936
1937	19.7	19.1	24.6	122	153	307	455	252	200	153	83.5	32.2	162	1937
1938	27.8	23.9	38.4	188	124	421	638	401	350	101	78.1	46.1	211	1938
1939	38.8	34.0	40.1	188	144	304	502	348	228	127	82.4	48.7	173	1939
1940	29.8	27.1	27.2	243	308	321	381	310	258	142	88.1	30.9	168	1940
1941	27.1	20.5	25.2	124	82.9	201	387	308	231	138	75.9	20.8	138	1941
1942	20.7	23.7	25.4	125	128	508	725	528	363	168	81.8	82.0	233	1942
1943	54.5	43.2	43.8	477	280	388	661	435	248	151	78.7	32.0	262	1943
1944	24.1	20.3	33.3	171	161	1 050	---	---	---	102	64.6	31.3	---	1944
1945	30.3	36.4	38.7	90.7	173	402	410	333	258	107	72.7	80.1	178	1945
1946	48.5	43.9	52.7	203	160	828	582	320	239	126	69.0	41.3	206	1946
1947	37.9	35.2	34.1	281	325	457	509	366	278	181	96.5	70.7	234	1947
1948	50.6	41.6	39.6	196	1 510	946	572	563	304	151	82.8	38.2	275	1948
1949	40.0	33.0	34.4	168	153	254	303	355	211	105	47.5	28.0	165	1949
1950	19.5	26.5	27.4	140	183	629	605	378	234	130	51.5	33.0	189	1950
1951	23.3	26.4	26.0	385	539	410	580	406	326	183	77.6	80.3	264	1951
1952	44.1	36.7	37.0	485	294	711	824	502	259	178	86.6	60.5	266	1952
1953	29.9	31.9	38.3	113	371	710	874	521	409	166	86.7	43.6	267	1953
1954	34.1	37.3	38.5	80.8	468	1 110	744	876	1 110	353	167	88.7	411	1954
1955	54.8	60.0	43.7	412	560	826	561	336	215	122	65.3	31.9	267	1955
1956	33.5	31.5	29.1	491	501	529	466	393	259	163	80.2	38.7	253	1956
1957	35.3	25.6	27.1	222	425	418	305	293	239	156	103	53.8	183	1957
1958	36.9	40.1	36.8	348	354	571	695	392	267	133	81.7	28.1	250	1958
1959	25.1	32.2	30.4	156	140	485	627	384	230	162	66.2	53.8	204	1959
1960	28.7	38.5	37.5	293	217	349	673	397	181	143	71.0	30.5	205	1960
1961	36.0	33.0	31.0	163	190	540	383	513	251	115	[illegible]	25.8	193	1961
1962	45.8	46.4	53.0	223	261	431	530	461	240	121	103	87.6	217	1962
1963	47.1	56.8	76.0	502	391	482	540	405	256	163	67.5	48.5	250	1963
1964	57.5	82.6	82.2	176	359	617	623	271	206	271	106	76.5	241	1964
1965	51.2	51.7	95.3	455	488	945	1 330	558	325	331	126	98.8	408	1965
1966	86.2	87.0	81.9	299	289	383	601	588	300	186	89.6	73.5	255	1966
1967	74.8	86.1	81.0	89.9	381	621	557	327	226	148	73.1	42.4	225	1967
1968	46.1	76.0	149	241	146	346	405	461	281	184	97.9	57.8	204	1968
1969	70.0	76.9	57.8	441	343	399	737	486	289	163	72.5	88.5R	267R	1969
1970	82.8R	88.8R	75.9	327	290	470	588	336	187	93.1	61.7	57.2R	218R	1970
1971	84.4	51.9R	55.5R	390 R	407	801	574	531	213	127	67.1	53.9	262R	1971
1972	81.0	56.5	80.9	389	321	584	654	407	181	173	82.2	82.8	260	1972
1973	99.0	91.8	112	368	406	398	399	251	216	104	111	103	227	1973
1974	107 R	135 R	127 R	785	1 140	606	546	282	250	219	167 R	133 R	372R	1974
1975	121 R	120 R	120 R	230 R	442	288	242	148	137	101 R	73.7R	85.1R	174R	1975
1976	114 R	122	122	265	217	212	219	263	217	173	161 R	103 R	161R	1976
1977	106	106	101	225	285	437	270	256	288	214	120 R	107 R	208R	1977
1978	123 R	134	112	318	274	523	520	270	309	220	171 R	164 R	261R	1978
1979	97.7	123	161	314	526	279	273	210	155	121	117	73.6	204	1979
1980	90.4	117	135	410	231	707	555	280	244	217	176	120	274	1980
1981	122	100	117	267	384	400	328	613	259	182	177	190	280	1981
1982	104	105	93.0	219	439	283	768	305	208	218	140	129	251	1982
1983	143	113	118	338	384	225	434	190	146	130	124	98.5	203	1983
1984	102	118	111	336	203	245	208	139	183	108	148	130	175	1984
1985	95.4	118	137	503	345	276	194	180	237	180	126	118	215	1985
1986	119	99.6	146	455	328	406	607	425	251	326	171	157	309	1986
MEAN	54.3R	54.7R	59.2R	269 R	348	503	576	418	295	177 R	94.2R	63.6R	243	MEAN

LOCATION - LAT 53 12 10 N DRAINAGE AREA, 131 000 km²
LONG 105 46 06 W REGULATED SINCE 1962

R - REVISED SINCE JAN 1986

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	2 070 AT 15:00 CST ON JUL 14	1 980 ON JUL 14	41.30 ON JAN 17	10 600 000	1912
1913	---	1 010 ON AUG 21	28.20 ON JAN 15	9 770 000	1913
1914	---	1 780 ON JUN 14	24.10 ON JAN 10	8 960 000	1914
1915	5 800 AT 12:00 CST ON JUL 2 *	5 200 ON JUL 2 *	26.20 ON JAN 1	12 200 000	1915
1916	---	1 510 ON JUN 27	26.60 ON FEB 15	11 000 000	1916
1917	---	1 560 ON MAY 23	29.60 ON DEC 27	9 770 000	1917
1918	---	925 ON JUN 23	20.60 ON NOV 10	8 360 000	1918
1919	---	1270 ON APR 23	22.70 ON MAR 21	9 000 000	1919
1920	---	1 5700 ON MAY 14	26.30 ON DEC 31	8 760 000	1920
1921	---	1 1300 ON APR 22	19.30 ON JAN 3	7 140 000	1921
1922	719 AT 20:00 CST ON AUG 25	682 ON AUG 25	12.70 ON DEC 19	6 200 000	1922
1923	1 670 AT 04:00 CST ON JUN 30	1 640 ON JUN 30	12.60 ON JAN 6	6 610 000	1923
1924	767 AT 06:00 CST ON JUL 12	765 ON JUL 12	10.80 ON JAN 22	6 000 000	1924
1925	1 5700 AT 12:30 CST ON AUG 23	1 5200 ON AUG 23	22.00 ON FEB 21	8 300 000	1925
1926	---	1 350 ON SEP 9	27.30 ON FEB 23	7 950 000	1926
1927	---	1 650 ON APR 30	30.00 ON JAN 24	10 400 000	1927
1928	---	1 570 ON JUN 24	27.10 ON DEC 31	8 220 000	1928
1929	---	1 340 ON JUN 11	25.20 ON FEB 26	8 150 000	1929
1930	---	685 ON JUL 24	30.30 ON JAN 20	8 810 000	1930
1931	---	1 050 ON JUL 8	24.30 ON JAN 19	8 190 000	1931
1932	2 230 AT 06:15 CST ON JUN 10	2 160 ON JUN 10	24.60 ON MAR 16	8 000 000	1932
1933	---	854 ON JUN 25	27.70 ON MAR 11	8 800 000	1933
1934	---	796 ON JUN 8	22.70 ON JAN 7	8 750 000	1934
1935	---	1 560 ON JUL 10	11.20 ON JAN 23 *	7 950 000	1935
1936	---	1 6200 ON APR 23	15.00 ON DEC 30	7 200 000	1936
1937	---	770 ON JUL 24	12.80 ON JAN 18	8 110 000	1937
1938	---	940 ON JUL 11	19.50 ON FEB 12	8 040 000	1938
1939	---	780 ON JUL 6	21.10 ON MAR 1	8 490 000	1939
1940	---	1 1400 ON APR 23	23.70 ON FEB 20	8 880 000	1940
1941	---	687 ON JUL 6	11.30 ON DEC 26	6 300 000	1941
1942	---	1 230 ON JUL 20	12.00 ON JAN 6	7 350 000	1942
1943	---	1 1000 ON APR 20	19.80 ON DEC 20	7 630 000	1943
1944	---	---	---	---	1944
1945	---	620 ON JUN 8	20.10 ON JAN 6	8 550 000	1945
1946	---	1 070 ON JUN 30	26.60 ON DEC 6	8 570 000	1946
1947	---	785 ON JUN 10	31.70 ON FEB 26	7 070 000	1947
1948	---	2 000 ON MAY 31	19.40 ON NOV 25	11 000 000	1948
1949	---	762 ON JUL 20	12.70 ON DEC 30	8 570 000	1949
1950	---	1 100 ON JUN 23	12.30 ON JAN 2	8 900 000	1950
1951	---	981 ON MAY 10	23.70 ON MAR 23	8 410 000	1951
1952	3 030 AT 19:00 CST ON JUN 20	2 970 ON JUN 20	31.70 ON DEC 27	9 110 000	1952
1953	1 100 AT 21:15 CST ON JUN 10	1 120 ON JUN 11	19.00 ON JAN 10	8 410 000	1953
1954	3 060 AT 16:00 CST ON JUN 12	2 700 ON JUN 12	13.40 ON JAN 23	13 000 000	1954
1955	---	9510 ON APR 13	19.70 ON DEC 10	8 000 000	1955
1956	---	1 0000 ON APR 21	18.00 ON DEC 20	7 900 000	1956
1957	---	823 ON JUN 16	19.80 ON FEB 3	8 070 000	1957
1958	1 330 AT 14:30 CST ON JUL 6	1 270 ON JUL 7	14.40 ON DEC 13	7 670 000	1958
1959	1 270 AT 20:00 CST ON JUL 6	1 100 ON JUL 5	15.70 ON JAN 29	8 430 000	1959
1960	1 010 AT 20:00 CST ON JUL 9	1 010 ON JUL 9	19.00 ON DEC 21	8 500 000	1960
1961	760 AT 17:00 CST ON AUG 7	755 ON AUG 7	18.20 ON DEC 20	8 100 000	1961
1962	767 AT 12:00 CST ON JUL 21	755 ON JUL 21	22.60 ON APR 6	8 640 000	1962
1963	1 160 AT 12:00 CST ON APR 22	1 110 ON APR 22	22.80 ON JAN 22	7 880 000	1963
1964	1 270 AT 09:00 CST ON JUN 27	1 250 ON JUN 27	65.80 ON DEC 31	7 830 000	1964
1965	2 520 AT 20:00 CST ON JUL 6	2 4804 ON JUL 6	28.30 ON JAN 2	12 600 000	1965
1966	1 310 AT 18:00 CST ON JUL 12	1 200 ON JUL 12	50.10 ON DEC 20	8 000 000	1966
1967	863 AT 03:00 CST ON JUN 20	815 ON JUN 20	28.30 ON DEC 10	7 080 000	1967
1968	803 AT 20:00 CST ON AUG 10	788 ON AUG 10	30.80 ON JAN 4	8 490 000	1968
1969	1 500 AT 19:00 CST ON JUL 12	1 470 ON JUL 12	38.80 ON NOV 25	8 430 0000	1969
1970	1 270 AT 10:00 CST ON JUN 26	1 250 ON JUN 26	30.690 ON DEC 5	8 650 0000	1970
1971	1 160 AT 01:10 CST ON JUN 17	1 110 ON JUN 17	39.80 ON DEC 26	8 280 0000	1971
1972	2 360 AT 14:32 CST ON JUL 2	2 300 ON JUL 2	47.00 ON DEC 17	8 660 000	1972
1973	646 AT 18:02 CST ON JUL 3	620 ON JUL 3	74.50 ON NOV 21	7 170 000	1973
1974	4 0500 AT 04:00 CST ON APR 23	3 88000 ON APR 23	64.700 ON NOV 19	11 700 0000	1974
1975	700 AT 13:23 CST ON MAY 1	707 ON MAY 1	35.990 ON NOV 25	8 490 0000	1975
1976	858 AT 13:11 CST ON APR 14	8280 ON APR 14	52.70 ON DEC 21	8 760 0000	1976
1977	829 AT 13:20 CST ON JUN 6	815 ON JUN 6	51.00 ON DEC 6	8 600 0000	1977
1978	---	8856 ON JUL 19	87.080 ON NOV 19	8 230 0000	1978
1979	---	1 0600 ON MAY 3	55.30 ON DEC 31	8 440 000	1979
1980	1 630 AT 16:53 CST ON JUN 12	1 580 ON JUN 12	56.00 ON JAN 1	8 050 000	1980
1981	1 170 AT 04:33 CST ON AUG 2	1 150 ON AUG 2	86.40 ON FEB 10	8 210 000	1981
1982	1 730 AT 00:16 CST ON JUL 13	1 680 ON JUL 13	68.20 ON MAR 10	7 930 000	1982
1983	---	7900 ON APR 21	80.60 ON DEC 23	8 390 000	1983
1984	8360 AT 06:00 CST ON APR 8	7940 ON APR 8	78.20 ON JAN 9	8 530 000	1984
1985	1 0100 AT 06:30 CST ON APR 14	9640 ON APR 14	87.60 ON DEC 6	8 760 000	1985
1986	3 420 AT 04:00 CST ON JUL 24	3 230 ON JUL 24	70.80 ON MAR 2	8 740 000	1986
				7 870 0000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
@ - REVISED SINCE JAN 1 1986

NORTH SASKATCHEWAN RIVER NEAR DEEP CREEK - STATION NO 05EF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	518	379	271	189	111	48.6	---	1917
1918	90.1	66.6	49.5	205	202	506	463	381	286	161	81.6	36.1	203	1918
1919	35.8	28.7	21.9	119	174	279	334	428	282	89.3	56.0	40.7	160	1919
1920	36.8	27.1	28.8	86.2	784	610	759	500	232	131	74.2	38.7	276	1920
1921	36.1	33.0	23.7	251	335	435	416	373	185	96.4	---	---	---	1921
1922	---	---	---	---	288	424	421	498	277	126	---	---	---	1922
1944	---	---	---	---	217	1 110	697	589	329	180	---	---	---	1944
1945	---	---	21.9	76.4	215	420	423	346	244	191	---	---	---	1945
1946	---	---	63.4	175	163	760	516	319	233	114	---	---	---	1946
1947	---	---	51.4	225	358	487	544	348	267	179	---	---	---	1947
1948	---	---	29.3	151	1 340	613	559	590	274	135	---	---	---	1948
1949	---	---	28.3	109	148	238	383	317	176	87.6	60.0	19.8	---	1949
1950	23.2	25.7	26.8	90.9	159	509	551	355	214	104	44.7	33.1	178	1950
1951	28.8	26.7	27.4	218	469	407	800	384	289	194	97.4	56.2	232	1951
1952	45.7	44.1	36.5	346	230	871	712	486	246	151	73.0	31.9	273	1952
1953	31.1	61.2	36.3	89.5	364	769	637	559	307	129	78.6	38.2	298	1953
1954	31.7	60.6	63.1	109	476	1 030	686	822	817	260	139	59.7	378	1954
1955	47.7	55.6	41.3	280	433	579	542	276	179	92.4	39.6	30.3	218	1955
1956	35.0	31.5	29.8	341	321	506	488	278	220	115	67.7	36.8	215	1956
1957	40.5	33.6	27.4	196	394	414	311	291	233	148	102	50.9	187	1957
1958	47.0	37.0	41.6	238	388	575	720	373	240	114	---	---	---	1958
1959	---	---	---	---	271	396	723	481	251	133	77.3R	71.2R	---	1959
1970	59.60	70.0	72.8	237	231	506	492	291	148	79.8	52.5	74.3	194R	1970
1971	62.3	55.1	55.2	353	273	628	565	458	187	115	86.2	49.7	241	1971
1972	65.3	64.0	64.9	283	271	774	681	333	145	155	88.6	73.4	252	1972
1973	79.68	100	11.	279	364	380	294	214	170	150	97.3R	86.9R	193R	1973
1974	83.59	133	1.3	626	696	487	440	216	215	193	153	151	293R	1974
1975	126	111	107 R	210 R	278	219	204	139	126	96.2	75.1	114	151R	1975
1976	108	130	132	222	194	207	193	247	209	165	133 R	120 R	173R	1976
1977	116	98.0	100	179	294	416	239	251	241	188	104 R	129 R	197R	1977
1978	121 R	135 R	116 R	217 R	263	544	496	248	304	212	171 R	136 R	247R	1978
1979	111	127	100	218	347	226	237	187	140	111	97.1	89.1	175	1979
1980	98.3	123	150	352	214	828	474	254	237	180	159	102	264	1980
1981	111	98.6	126	227	388	317	434	512	230	188	163	140	244	1981
1982	102	98.0	96.9	269	285	287	774	214	189	195	128	122	231	1982
1983	146	167	115	290	295	260	370	149	127	120	115	105	184	1983
1984	116	110	113	251	157	229	181	137	160	162	162	122	158	1984
1985	95.7	121	106	401	221	228	165	167	236	160	132	131	186	1985
1986	108	87.6	146	325	318	381	828	327	237	294	189	152	283	1986
MEAN	76.00	75.00	75.8R	235 R	337	501	492	355	239	150	102 R	80.3R	223	MEAN

LOCATION - LAT 53 31 00 N DRAINAGE AREA 57 100 km²
LONG 115 36 40 W REGULATED SINCE 1962

R - REVISED SINCE JAN 1986

05EF001 - RECORDS FOR 1917-22 AND 1944-58 COLLECTED IN NW16-53-25-W5

NORTH SASKATCHEWAN RIVER NEAR DEER CREEK - STATION NO 05EF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	920 ON JUN 18	31 48 ON DEC 22	5 410 000	1918
1919	---	549 ON JUN 27	24 58 ON FEB 19	5 040 000	1919
1920	---	1 480 ON MAY 11	23 78 ON FEB 13	8 720 000	1920
1921	---	748 ON MAY 26	28 08 ON MAR 25	---	1921
1922	---	801 ON AUG 21	---	---	1922
1944	3 480 AT 21 20 MST ON JUN 17	3 110 ON JUN 17	---	---	1944
1945	---	677 ON JUN 4	---	---	1945
1946	---	1 290 ON JUN 26	---	---	1946
1947	---	784 ON JUN 15	---	---	1947
1948	---	1 630 ON MAY 25	---	---	1948
1949	---	804 ON JUL 24	---	---	1949
1950	---	1 120 ON JUN 19	11 48 ON DEC 8 *	5 850 000	1950
1951	---	1 020 ON MAY 5	20 68 ON DEC 31	7 330 000	1951
1952	3 310 AT 14 00 MST ON JUN 26	3 090 ON JUN 28	21 48 ON DEC 4	8 040 000	1952
1953	1 280 AT 04 00 MST ON JUN 7	1 240 ON JUN 7	16 09 ON JAN 22	8 170 000	1953
1954	3 230 AT 03 00 MST ON JUN 10	3 000 ON JUN 10	20 18 ON JAN 17	13 000 000	1954
1955	---	912 ON JUN 17	11 88 ON DEC 2	6 880 000	1955
1956	---	1 2508 ON APR 17	13 38 ON DEC 12	5 790 000	1956
1957	660 AT 14 45 MST ON JUN 13	551 ON JUN 13	19 28 ON FEB 28	5 880 000	1957
1958	1 390 AT 09 30 MST ON JUL 2	1 330 ON JUL 2	---	---	1958
1959	1 570 AT 18 00 CST ON JUL 9	1 550 ON JUL 9	---	---	1959
1970	---	1 360A ON JUN 20	25 88 ON NOV 27	6 130 000B	1970
1971	1 100 AT 08 26 CST ON JUN 10	1 080 ON JUN 10	32 88 ON DEC 19	7 610 000	1971
1972	3 170 AT 11 55 CST ON JUN 29	3 030 ON JUN 29	42 58 ON DEC 8	7 970 000	1972
1973	623 AT 04 49 CST ON JUN 29	580 ON JUL 5	56 0RB ON JAN 15	8 100 000B	1973
1974	---	1 660A ON APR 25	73 9RB ON JAN 18	9 220 000B	1974
1975	481 AT 01 44 CST ON MAY 10	456 ON MAY 10	32 38 ON NOV 23	4 750 000B	1975
1976	442 AT 20 11 CST ON AUG 22	439 ON AUG 22	58 4RB ON DEC 13	6 480 000B	1976
1977	954 AT 02 06 CST ON JUN 2	930 ON JUN 2	34 9RB ON NOV 28	8 200 000B	1977
1978	951 AT 09 48 CST ON JUL 15	843 ON JUL 15	95 3RB ON MAR 10	7 730 000B	1978
1979	8778 AT 02 00 CST ON MAY 1	7118 ON MAY 1	53 08 ON NOV 9	5 500 000	1979
1980	2 010 AT 14 42 CST ON JUN 8	1 880 ON JUN 8	48 08 ON DEC 5	8 340 000	1980
1981	1 180 AT 22 48 CST ON JUL 28	1 150 ON JUL 28	72 38 ON FEB 13	7 700 000	1981
1982	2 100 AT 08 25 CST ON JUL 8	2 030 ON JUL 8	63 98 ON MAR 4	7 280 000	1982
1983	610 AT 13 18 CST ON JUL 5	588 ON JUL 9	75 18 ON NOV 18	5 800 000	1983
1984	513 AT 10 43 CST ON APR 9	449 ON APR 8	88 08 ON MAR 6	5 000 000	1984
1985	7678 AT 00 53 CST ON APR 12	675 ON SEP 18	57 58 ON JAN 6	5 850 000	1985
1986	3 980 AT 13 52 CST ON JUL 21 *	3 780 ON JUL 31 *	65 98 ON FEB 24	8 820 000	1986
				7 040 000B	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
B - REVISED SINCE JAN 1 1986

NORTH SASKATCHEWAN RIVER NEAR NORTH BATTLEFORD - STATION NO 05EG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	36.4	39.7	41.1	238	337	474	959	789	492	229	110	55.1	316	1912
1913	34.5	44.0	55.5	272	374	585	554	512	336	182	100	61.3	267	1913
1914	33.8	32.2	38.8	144	345	870	734	387	243	197	119	48.7	288	1914
1915	47.5	41.5	49.4	212	---	---	---	---	---	---	---	52.5	---	1915
1916	36.1	32.8	37.4	155	220	563	842	572	983	276	195	78.5	314	1916
1917	61.2	51.4	44.5	291	628	618	578	861	315	---	---	---	---	1917
1987	---	---	---	---	---	755	582	333	209	123	---	---	---	1987
1988	---	---	---	---	158	388	488	490	272	172	---	---	---	1988
MEAN	41.6	40.2	44.2	216	337	620	691	529	350	197	134	58.8	291	MEAN

LOCATION - LAT 52 45 32 N LONG 108 16 48 W
DRAINAGE AREA 89 900 km^2
REGULATED SINCE 1962

NORTH SASKATCHEWAN RIVER NEAR NORTH BATTLEFORD - STATION NO 05EG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	1 880 ON JUL 12 *	33 78 ON JAN 16	10 000 000	1912
1913	---	1 360 ON JUN 17	28 8 ON JAN 11	8 420 000	1913
1914	---	1 020 ON JUN 11	33 4 ON JAN 11 *	8 450 000	1914
1915	---	---	35 4 ON MAR 18	---	1915
1916	---	1 470 ON JUN 25	30 3 ON FEB 11	9 940 000	1916
1917	---	1 310 ON MAY 21	---	---	1917
1987	---	1 140 ON JUN 23	---	---	1987
1988	---	722 ON AUG 13	---	---	1988
				9 200 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO 05JB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	--	0.018	1.07	0.847	0.042	0.002	0	0.001	0.002	---	---	0.347	1975
1976	---	---	2.80	0.357	0.012	0.410	0.108	0.086	0.034	0.033	---	---	0.437	1976
1977	---	0.016	0.046	0.080	0.017	0	0	0	0	0	---	---	0.019	1977
1978	---	---	0.873	0.185	0.017	0	0	0	0.001	0	---	---	0.144	1978
1979	---	---	1.33	0.383	0.134	0.001	0.005	0.002	0.038	0	---	---	0.221	1979
1980	---	---	0.286	0.083	0	0.018	0.003	0	0	0.048	---	---	0.053	1980
1981	---	0.080	0.027	0.002	0.003	0.082	0.007	0	0	0	---	---	0.018	1981
1982	---	0.335	1.13	1.45	0.158	0.321	0.049	0	0	0.008	---	---	0.390	1982
1983	---	0.225	0.210	0.219	0.048	0.001	0.002	0	0	0	---	---	0.060	1983
1984	---	---	0.028	0.006	0	0	0	0	0	0	---	---	0.004	1984
1985	---	---	0.385	0.135	0.001	0	0	0	0	0	---	---	0.085	1985
1986	---	1.21	0.396	0.007	0.084	0	0	0	0.043	0.011	---	---	0.080	1986
MEAN	---	0.376	0.609	0.313	0.111	0.073	0.016	0.006	0.010	0.008	---	---	0.144	MEAN

LOCATION - LAT 49 42 32 N DRAINAGE AREA 453 km²
LONG 108 07 31 W NATURAL FLOW

NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO 05JB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	13.7 AT 18 45 CST ON APR 21	8.33 ON APR 22	0B ON MAR 1 *	5 220	1975
1976	48.1 E AT 14 40 CST ON MAR 19 *	27.2 E ON MAR 19 *	0 ON MAY 27	9 250	1976
1977	0.8808 AT 21 05 CST ON APR 5	0.2785 ON MAR 7	0 ON JUN 7	325	1977
1978	---	3.88 B ON MAR 26	0B ON MAR 1	3 080	1978
1979	---	5.50 B ON MAR 19	0B ON MAR 1	4 670	1979
1980	---	0.8288 ON MAR 28	0B ON MAR 3	1 130	1980
1981	0.849 AT 12 48 CST ON JUN 14	0.670 ON JUN 14	0 ON APR 28	333	1981
1982	14.4 B AT 17 14 CST ON APR 11	7.34 B ON APR 11	0 ON AUG 8	6 280	1982
1983	3.85 AT 21 05 CST ON MAR 30	1.69 B ON MAR 30	0 ON JUN 17	1 370	1983
1984	0.7388 AT 07 30 CST ON MAR 20	0.1788 ON MAR 21	0 ON APR 18	83.1	1984
1985	2.58 AT 15 40 CST ON MAR 18	1.78 ON MAR 18	0B ON MAR 1	1 380	1985
1986	---	1.78 B ON MAR 1	0 ON MAY 2	1 650	1986
				3 040	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTUKEU CREEK NEAR GRAVELBOURG - STATION NO 05JB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	0.030	5.26	0.610	3.80	7.96	0.325	0.095	0.125	---	---	3.00	1923
1924	---	---	0.011	2.40	0.385	0.677	0.115	0.404	0.015	0	---	---	0.488	1924
1925	---	---	10.3	24.0	1.45	0.635	0.222	0.043	---	---	---	---	---	1925
1936	---	---	---	10.3	0.585	0.083	---	---	---	---	---	---	---	1936
1940	---	---	---	18.5	---	---	---	---	---	---	---	---	---	1940
1944	---	---	0.086	6.88	0.506	0.676	---	---	---	---	---	---	---	1944
1945	---	---	4.50	0.767	0.372	0.266	---	---	---	---	---	---	---	1945
1946	---	---	4.67	0.680	0.089	0.002	---	---	---	---	---	---	---	1946
1947	---	---	0	7.83	0.667	0.305	---	---	---	---	---	---	---	1947
1948	---	---	3.46	7.50	1.10	0.063	---	---	---	---	---	---	---	1948
1949	---	---	0.688	1.77	0.108	0.021	---	---	---	---	---	---	---	1949
1950	---	---	0	16.2	3.17	0.660	---	---	---	---	---	---	---	1950
1951	---	---	0	21.1	6.84	0.672	---	---	---	---	---	---	---	1951
1952	---	---	0	50.7	3.37	0.237	---	---	---	---	---	---	---	1952
1953	---	---	0.581	15.2	2.36	4.06	---	---	---	---	---	---	---	1953
1954	---	---	0.393	13.7	2.04	1.32	---	---	---	---	---	---	---	1954
1955	---	---	0.280	19.3	4.58	0.883	---	---	---	---	---	---	---	1955
1956	---	---	0.913	3.31	1.05	0.270	---	---	---	---	---	---	---	1956
1957	---	---	2.85	3.87	0.575	0.191	0.081	0.030	0.001	0.001	---	---	0.830	1957
1958	---	---	0.465	13.2	0.531	0.071	0.079	0.018	0	0	---	---	1.75	1958
1959	---	---	1.91	0.136	0.040	0.005	0.065	0	0	0	---	---	0.289	1959
1960	---	---	7.36	3.36	0.432	1.09	0.496	0.084	0.001	0	---	---	1.80	1960
1961	---	---	2.15	0.484	0.105	0.028	0	0	0	0	---	---	0.349	1961
1962	---	---	0.074	7.82	0.353	0.238	0.431	0.800	0.024	0.010	---	---	1.20	1962
1963	---	---	4.57	1.97	0.094	1.66	0.118	0.080	0.045	0.432	---	---	1.08	1963
1964	---	---	0.095	0.868	0.182	0.002	0	0	0	0	---	---	0.114	1964
1965	---	---	0	11.5	1.86	0.447	1.10	0.324	0.172	0.118	---	---	1.93	1965
1966	---	---	12.8	3.99	0.892	0.219	0.188	0.089	0.025	0.038	---	---	2.14	1966
1967	---	---	0.151	24.8	5.26	1.12	0.313	0.095	0.032	0.097	---	---	4.04	1967
1968	---	---	4.03	0.283	0.053	0.053	0.017	0.020	0.003	0.029	---	---	0.574	1968
1969	---	---	0.053	17.2	3.73	0.888	2.57	0.614	0.180	0.183	---	---	3.00	1969
1970	---	---	3.03	19.0	2.17	1.06	0.436	0.085	0.014	0.017	---	---	3.15	1970
1971	---	---	0.016	11.6	1.30	0.343	0.221	0.004	0	0	---	---	1.88	1971
1972	---	---	0.366	0.231	0.058	0.095	0.018	0.138	0.001	0	---	---	0.111	1972
1973	---	---	0.418	0.187	0.050	0.002	0	0	0	0	---	---	0.080	1973
1974	---	---	0.024	21.0	5.68	1.91	0.098	0.335	0.308	0.005	---	---	3.87	1974
MEAN	---	---	1.86	10.2	1.45	0.831	0.891	0.188	0.050	0.052	---	---	1.55	MEAN

LOCATION - LAT 49 55 00 N DRAINAGE AREA 4 230 km²
LONG 106 33 00 W REGULATED

MOTUREU CREEK NEAR CRAIGIEBURN - STATION NO 05J8001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	52.1 On JUL 1	0 B On MAR 1 *	83 500	1923
1924	---	15.3 On APR 13	0 B On MAR 1	9 900	1924
1925	---	127 E On MAR 30	0 B On MAR 1	---	1925
1936	---	40.2 On APR 16	---	---	1936
1940	---	59.5 On APR 23	---	---	1940
1944	---	30.9 On APR 8	0 B On MAR 1	---	1944
1945	---	26.1 B On MAR 19	0 B On MAR 1	---	1945
1946	---	14.0 On MAR 19	0 B On MAR 1	---	1946
1947	---	28.6 On APR 9	0 B On MAR 1	---	1947
1948	---	18.6 On APR 22	0 B On MAR 1	---	1948
1949	---	5.52 On APR 6	0 B On MAR 1	---	1949
1950	---	85.7 On APR 22	0 B On MAR 1	---	1950
1951	---	141 B On APR 13	0 B On MAR 1	---	1951
1952	---	193 E On APR 10 *	0 B On MAR 1	---	1952
1953	---	37.8 On APR 6	---	---	1953
1954	---	68.4 On APR 16	---	---	1954
1955	---	45.3 B On APR 7	---	---	1955
1956	---	5.958 On APR 11	---	---	1956
1957	---	19.6 B On MAR 28	0 On AUG 28	17 400	1957
1958	---	91.5 On APR 7	0 On AUG 12	37 300	1958
1959	---	8.008 On MAR 12	0 On MAY 14	5 880	1959
1960	37.7 At 15 30 On MAR 28	37.1 On MAR 28	0 B On MAR 1	33 900	1960
1961	6.688 At 06 00 On MAR 23	6.318 On MAR 23	0 B On MAR 1	7 310	1961
1962	33.7 At 21 00 MST On APR 9	23.6 On APR 10	0 B On MAR 1	25 400	1962
1963	17.6 At 19 30 MST On MAR 29	17.1 On MAR 29	0 B On MAR 1	23 100	1963
1964	---	1.32 On APR 12	0 B On MAR 1	2 420	1964
1965	55.0 On APR 10	54.7 On APR 10	0 B On MAR 1	40 800	1965
1966	---	43.9 B On MAR 23	0.006 On SEP 20	45 300	1966
1967	118 At 02 00 CST On APR 10 *	111 On APR 10	0 On AUG 28	85 500	1967
1968	---	9.88 On MAR 8	0 On JUL 19	12 200	1968
1969	67.4 B At 03 00 CST On APR 11	60.3 B On APR 11	0 B On MAR 1	63 400	1969
1970	---	49.6 On APR 13	0 B On MAR 1	57 400	1970
1971	37.0 At 11 30 CST On APR 13	37.0 On APR 13	0 B On MAR 1	35 500	1971
1972	---	2.678 On MAR 20	0 B On MAR 1	2 340	1972
1973	---	1.628 On MAR 17	0 On MAY 17	1 590	1973
1974	---	96.0 On APR 16	0 B On MAR 1	75 400	1974
				32 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTUKEU CREEK NEAR VANGUARD - STATION NO 05JB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	0.056	0.081	0.121	0.085	0.042	---	1914
1915	0	0	0.205	1.18	0.736	0.558	0.282	0.146	0.080	0.099	0.081	0.024	0.288	1915
1916	0	0	16.7	7.36	1.15	1.57	7.17	0.892	0.584	0.498	0.336	0.039	4.47	1916
1917	0	0	0	21.9	2.33	0.462	0.207	0.110	0.067	0.077	0.140	0.037	3.05	1917
1918	0	0	15.1	0.951	0.382	0.131	0.028	0.011	0.001	0	0.007	0.006	2.09	1918
1919	0	0	0.014	2.28	0.177	0.020	0.003	0	0	0	0	0	0.306	1919
1920	0	0	9.54	1.80	0.491	0.780	0.227	0.034	0.012	0.023	0.007	0.001	1.62	1920
1921	0	0.003	1.18	0.828	0.272	0.503	0.075	0.055	0.112	0.119	0.037	0.011	0.392	1921
1922	0	0	2.33	11.7	0.714	0.350	0.253	0.041	0.040	0.031	0.030	0.006	1.80	1922
1923	0	0	---	---	---	---	---	---	---	---	---	---	---	1923
1940	---	---	---	19.3	---	---	---	---	---	---	---	---	---	1940
1944	---	---	0.459	6.35	0.386	0.454	---	---	---	---	---	---	---	1944
1945	---	---	4.57	0.402	0.254	---	---	---	---	---	---	---	---	1945
1946	---	---	3.40	0.464	0.087	0.135	---	---	---	---	---	---	---	1946
1947	---	---	1.75	4.13	0.377	0.882	---	---	---	---	---	---	---	1947
1948	---	---	4.88	4.72	0.711	0.236	---	---	---	---	---	---	---	1948
1949	---	---	1.05	1.10	0.085	0.019	---	---	---	---	---	---	---	1949
1950	---	---	0	23.8	1.15	0.464	---	---	---	---	---	---	---	1950
1951	---	---	0.014	22.2	4.08	0.919	---	---	---	---	---	---	---	1951
1952	---	---	0.035	86.7	1.40	0.443	---	---	---	---	---	---	---	1952
1953	---	---	10.2	7.83	1.91	4.49	---	---	---	---	---	---	---	1953
1954	---	---	0.188	15.4	1.18	1.86	---	---	---	---	---	---	---	1954
1955	---	---	2.29	20.4	3.57	0.449	---	---	---	---	---	---	---	1955
1956	---	---	1.27	2.30	0.785	0.240	---	---	---	---	---	---	---	1956
1957	---	---	5.24	1.38	0.519	0.339	0.144	0.071	0.019	0.085	---	---	0.976	1957
1958	---	---	3.08	13.3	0.527	0.478	0.217	0.064	0.015	0.018	---	---	2.18	1958
1959	---	---	1.94	0.131	0.082	0.070	0.085	0.028	0.017	0.042	---	---	0.297	1959
1960	---	---	11.0	1.25	0.285	0.985	0.297	0.317	0.026	0.107	---	---	1.80	1960
1961	---	---	1.80	0.542	0.286	0.143	0.076	0.036	0.093	0.080	---	---	0.381	1961
1962	---	---	1.67	6.67	0.132	0.187	0.723	0.053	0.054	0.123	---	---	1.18	1962
1963	---	---	2.87	0.878	0.250	1.52	0.215	0.088	0.019	0.577	---	---	0.777	1963
1964	---	---	0.077	0.331	0.078	0.121	0.198	0.082	0.012	0	---	---	0.112	1964
1965	---	---	0	16.3	1.25	0.880	1.18	0.372	0.289	0.356	---	---	2.51	1965
1966	---	---	14.8	1.70	0.951	0.351	0.256	0.154	0.124	0.043	---	---	2.31	1966
1967	---	---	1.06	22.2	5.72	1.42	0.565	0.151	0.114	0.122	---	---	3.87	1967
1968	---	---	3.34	0.239	0.145	0.191	0.099	0.140	0.045	0.018	---	---	0.531	1968
1969	---	---	0.142	19.1	1.87	0.721	2.36	0.540	0.247	0.243	---	---	3.12	1969
1970	---	---	4.00	14.5	1.40	1.07	0.108	0.005	0.049	0.080	---	---	2.63	1970
1971	---	---	0.058	11.6	1.07	0.371	0.197	0.126	0.020	0.014	---	---	1.85	1971
1972	---	---	0.225	0.209	0.220	0.237	0.028	0.145	0.093	0.105	---	---	0.170	1972
1973	---	---	0.501	0.072	0.035	0.037	0.015	0.009	0.010	0	---	---	0.065	1973
1974	---	---	1.53	13.8	5.04	0.845	0.323	0.374	0.219	0.139	---	---	2.76	1974
1975	---	---	0.046	5.52	5.13	0.282	0.142	0.304	0.071	0.493	---	---	1.49	1975
1976	---	---	18.4	5.99	0.737	1.85	1.18	0.828	0.050	0.083	---	---	3.72	1976
1977	---	---	0.135	0.139	0.223	0.056	0.001	0	0	0	---	---	0.089	1977
1978	---	---	4.55	5.93	0.900	0.318	1.03	0.097	0.113	0.053	---	---	1.62	1978
1979	---	---	4.40	8.62	2.06	0.349	0.172	0.078	0.016	0.027	---	---	1.95	1979
1980	---	---	1.70	1.89	0.273	0.094	0.081	0.009	0.012	0.085	---	---	0.490	1980
1981	---	---	0.195	0.344	0.072	0.059	0.187	0.038	0.017	0.027	---	---	0.115	1981
1982	---	---	2.11	9.57	0.971	1.82	1.86	0.212	0.103	0.125	---	---	2.05	1982
1983	---	0.218	0.730	8.10	0.835	0.190	0.112	0.029	0.007	0.027	---	---	0.990	1983
1984	---	0.050	0.088	0.051	0.002	0.001	0	0	0	0	---	---	0.018	1984
1985	---	---	0.455	0.247	0.018	0	0	0	0	0	---	---	0.090	1985
1986	---	1.30	4.56	0.983	0.706	0.323	0.102	0.015	0.048	0.177	---	---	0.870	1986
MEAN	0	0.131	3.26	7.95	1.08	0.587	0.531	0.136	0.072	0.107	0.078	0.018	1.45	MEAN

LOCATION - LAT 49 55 03 N
LONG 107 11 08 W

DRAINAGE AREA 3 530 km²
REGULATED

NOTUKEU CREEK NEAR VANGUARD - STATION NO 05JB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 E ON AUG 1 *	---	1914
1915	---	5.66 ON APR 6	0 B ON MAR 1	8 600	1915
1916	---	83.7 B ON MAR 29	0 B ON MAR 1	94 700	1916
1917	---	95.1 ON APR 11	0 ON MAR 1	85 400	1917
1918	---	78.4 ON MAR 20	0 B ON MAR 1	44 300	1918
1919	---	10.2 B ON APR 4	0 B ON MAR 1	6 480	1919
1920	---	78.2 B ON MAR 23	0 B ON MAR 1	34 400	1920
1921	---	3.43 B ON MAR 27	0 ON JUL 24	8 300	1921
1922	---	84.5 B ON APR 4	0 B ON MAR 1	40 200	1922
1923	---	---	---	---	1923
1940	112 AT 18 00 MST ON APR 16	106 ON APR 16	0 B ON MAR 23	---	1940
1944	42.5 B AT 17 30 MST ON APR 3	41.5 B ON APR 3	0 B ON MAR 1	---	1944
1945	28.9 B AT 18 00 MST ON MAR 14	28.9 B ON MAR 14	0 B ON MAR 1	---	1945
1946	20.1 AT 18 00 MST ON MAR 14	19.3 ON MAR 14	0 B ON MAR 1	---	1946
1947	10.3 AT 14 00 MST ON APR 13	10.2 ON APR 13	0 B ON MAR 1	---	1947
1948	26.6 AT 09 00 MST ON APR 18	26.1 ON APR 18	0 B ON MAR 1	---	1948
1949	---	4.30 B ON MAR 31	0 B ON MAR 1	---	1949
1950	113 AT 17 00 MST ON APR 17	110 ON APR 17	0 B ON MAR 1	---	1950
1951	85.0 B AT 06 30 MST ON APR 7	81.5 B ON APR 7	0 B ON MAR 1	---	1951
1952	227 E AT 16 00 MST ON APR 7 *	206 E ON APR 7 *	0 B ON MAR 1	---	1952
1953	88.3 AT 18 00 MST ON MAR 30	86.7 ON MAR 30	0 B ON MAR 1	---	1953
1954	83.4 AT 15 30 MST ON APR 5	83.4 ON APR 5	---	---	1954
1955	84.1 AT 08 15 MST ON APR 2	81.8 ON APR 2	---	---	1955
1956	6.80 B AT 10 00 MST ON MAR 24	6.20 B ON MAR 21	0 B ON MAR 1	---	1956
1957	32.3 B AT 16 00 MST ON MAR 24	31.7 B ON MAR 24	0.008 ON SEP 30	20 600	1957
1958	85.2 AT 08 30 MST ON APR 2	82.7 ON APR 2	0 ON OCT 5	45 100	1958
1959	5.12 B AT 04 00 MST ON MAR 2	4.81 B ON MAR 2	0.008 ON SEP 24	6 300	1959
1960	81.2 B AT 20 00 CST ON MAR 22	55.8 B ON MAR 23	0 B ON MAR 1	38 000	1960
1961	5.83 B AT 14 30 CST ON MAR 17	5.01 B ON MAR 17	0 ON JUL 9	8 050	1961
1962	29.4 B AT 17 30 CST ON APR 8	24.1 B ON APR 7	0 B ON MAR 1	25 100	1962
1963	18.5 B AT 22 30 CST ON MAR 25	16.0 ON MAR 25	0 ON SEP 2	16 500	1963
1964	---	0.906 ON JUL 20	0 B ON MAR 1	2 380	1964
1965	118 AT 12 30 CST ON APR 13	80.3 ON APR 14	0 B ON MAR 1	53 100	1965
1966	---	69.9 B ON MAR 15	0.008 ON SEP 12	49 000	1966
1967	---	92.9 ON APR 12	0.0288 ON MAR 1	82 000	1967
1968	---	6.91 B ON MAR 10	0 ON MAY 24	11 200	1968
1969	104 B AT 20 30 CST ON APR 6	89.2 B ON APR 6	0.062 ON OCT 23	85 100	1969
1970	83.8 B AT 15 00 CST ON APR 8	73.9 B ON APR 8	0 ON JUL 22	55 700	1970
1971	43.5 AT 00 24 CST ON APR 10	42.5 ON APR 9	0.009 ON SEP 14	35 000	1971
1972	1.60 B AT 05 59 CST ON MAR 17	1.38 B ON MAR 21	0 B ON MAR 1	3 600	1972
1973	1.33 B AT 22 20 CST ON MAR 9	1.21 B ON MAR 9	0 ON MAY 31	1 800	1973
1974	38.1 B AT 22 51 CST ON MAR 31	32.8 B ON MAR 31	0.0578 ON MAR 1	58 400	1974
1975	30.9 AT 04 45 ON APR 25	29.2 ON APR 25	0 ON JUL 24	31 500	1975
1976	---	112 B ON MAR 22	0.012 ON SEP 17	78 800	1976
1977	2.31 AT 02 25 CST ON MAY 18	0.980 ON MAY 18	0 ON APR 28	1 470	1977
1978	---	21.2 B ON MAR 30	0 ON AUG 12	34 300	1978
1979	28.4 B AT 08 12 CST ON APR 12	27.1 B ON APR 12	0 B ON MAR 1	41 300	1979
1980	8.67 AT 10 41 CST ON APR 17	8.15 ON APR 17	0 ON MAY 28	10 400	1980
1981	---	3.58 ON APR 6	0 ON JUN 5	2 430	1981
1982	40.5 B AT 05 54 CST ON APR 15	33.8 B ON APR 15	0.006 ON AUG 11	43 400	1982
1983	29.5 B AT 00 20 CST ON APR 2	26.8 B ON APR 2	0.002 ON JUN 28	20 800	1983
1984	0.285 AT 03 17 CST ON APR 12	0.269 ON APR 12	0 ON JUN 24	375	1984
1985	9.56 AT 02 44 CST ON APR 16	2.50 B ON MAR 19	0 B ON MAR 1	1 910	1985
1986	---	20.5 B ON MAR 1	0 ON AUG 15	18 400	1986
				30 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR GOLDFIELDS - STATION NO 07MC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	---	5.05	3.48	---	1935
1936	2.16	2.00	1.86	---	---	---	---	---	---	---	---	---	---	1936
MEAN	2.16	2.00	1.86	---	---	---	---	---	---	---	5.05	3.48	---	MEAN

LOCATION - LAT 59 39 40 N DRAINAGE AREA 934 km^2
LONG 108 03 50 W NATURAL FLOW

OLDMAN RIVER NEAR GOLDFIELDS - STATION NO 07MC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1936	---	2 350 ON JAN 3 *	1 530 ON MAR 25 *	---	1936
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OPUNTIA LAKE WEST INFLOW - STATION NO. 05GC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.061	0.010	0	0	0	0	0	0	---	---	0.009	1980
1981	---	---	0.019	0.001	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	0.245	0.001	0	0	0	0	0	---	---	0.030	1982
1983	---	---	0.111	0.084	0	0.004	0.014	0	0	0	---	---	0.024	1983
1984	---	---	0.026	0.054	0	0	0	0	0	0	---	---	0.010	1984
1985	---	---	0	0.808	0.001	0	0	0	0	0	---	---	0.099	1985
1986	---	---	0.180	0.210	0	0	0	0	0	0	---	---	0.049	1986
1987	---	---	0	0.325	0.077	0	0	0	0	0	---	---	0.050	1987
1988	---	---	0.077	0	0	0	0	0	0	0	---	---	0.010	1988
1989	---	---	0	1.29	0.004	0	0	0	0	0	---	---	0.159	1989
1970	---	---	0	1.10	0	0.285	0.178	0.001	0	0	---	---	0.192	1970
1971	---	---	0	0.551	0	0	0	0	0	0	---	---	0.067	1971
1972	---	---	0.052	0.076	0	0	0	0.002	0	0	---	---	0.017	1972
1973	---	---	0.018	0.005	0	0	0	0	0	0	---	---	0.003	1973
1974	---	---	0	0.505	0.002	0	0	0.005	0	0	---	---	0.075	1974
1975	---	---	0	0.370	0.010	0	0	0	0	0	---	---	0.047	1975
1976	---	---	0.033	0.225	0	0	0	0	0	0	---	---	0.032	1976
1977	---	---	0	0	0.048	0	0	0	0	0	---	---	0.008	1977
1978	---	---	0.215	0.076	0	0	0.010	0	0	0	---	---	0.036	1978
1979	---	---	0.080	0.116	0	0	0	0	0	0	---	---	0.022	1979
1980	---	---	0.017	0.013	0	0	0.001	0	0	0	---	---	0.004	1980
1981	---	---	0.045	0	0	0.025	0	0	0	0	---	---	0.009	1981
1982	---	---	0	0.103	0.003	0.082	0.193	0	0	0	---	---	0.045	1982
1983	---	---	0.114	0.178	0	0	0	0	0	0	---	---	0.036	1983
1984	---	---	0.058	0.001	0	0	0	0	0	0	---	---	0.008	1984
1985	---	---	B	0.783	0.001	0	0	0	0	B 0.083	---	---	B 0.084	1985
1986	---	---	0.083	0.005	0.010	0	0	0	0	0	---	---	B 0.013	1986
MEAN	---	---	0.044	0.265	0.005	0.014	0.015	0	0	0	---	---	0.043	MEAN

LOCATION - LAT 51 47 15 N DRAINAGE AREA 94.5 km²
LONG 108 37 30 W NATURAL FLOW

OPUNTIA LAKE WEST INFLOW - STATION NO. 05GC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	0.3118 ON MAR 25	0B ON MAR 1 *	186	1980
1981	0.612 AT 14 00 CST ON MAR 26	0.119 ON MAR 25	0B ON MAR 1	53.6	1981
1982	---	2.45 B ON APR 6	0B ON MAR 1	837	1982
1983	3.06 B AT 10 45 CST ON MAR 29	1.06 B ON MAR 29	0E ON MAR 1	612	1983
1984	---	0.433A ON APR 3	0B ON MAR 1	209	1984
1985	---	3.94 B ON APR 15	0B ON MAR 1	2 100	1985
1986	---	3.85 ON APR 1	0B ON MAR 1	1 030	1986
1987	3.09 AT 10 30 CST ON APR 26	2.00 ON APR 28	0B ON MAR 1	1 050	1987
1988	2.16 B AT 14 00 CST ON MAR 2	0.5528 ON MAR 2	0 ON MAR 12	205	1988
1989	17.3 AT 16 45 CST ON APR 12 *	11.3 ON APR 12 *	0 ON MAR 1	3 380	1989
1970	11.3 AT 19 00 CST ON APR 11	5.26 ON APR 11	0B ON MAR 1	4 060	1970
1971	6.31 AT 11 58 CST ON APR 8	4.16 ON APR 8	0B ON MAR 1	1 430	1971
1972	0.9088 AT 20 57 CST ON APR 1	0.4798 ON MAR 25	0B ON MAR 1	354	1972
1973	---	0.1448 ON MAR 20	0B ON MAR 1	80.1	1973
1974	9.12 AT 18 00 CST ON APR 19	7.08 B ON APR 19	0B ON MAR 1	1 590	1974
1975	---	1.50 ON APR 20	0B ON MAR 1	985	1975
1976	1.95 AT 11 15 CST ON APR 8	1.36 ON APR 6	0B ON MAR 1	671	1976
1977	2.33 AT 18 54 CST ON MAY 19	0.564 ON MAY 19	0 ON MAR 1	128	1977
1978	3.26 B AT 12 09 CST ON MAR 28	2.13 B ON MAR 29	0B ON MAR 1	801	1978
1979	2.03 AT 19 08 CST ON APR 19	1.34 ON APR 19	0B ON MAR 1	480	1979
1980	0.852 AT 16 31 CST ON MAR 31	0.3218 ON MAR 31	0B ON MAR 1	80.5	1980
1981	4.85 AT 01 07 CST ON JUN 7	0.880 ON JUN 7	0B ON MAR 1	188	1981
1982	4.82 AT 05 16 CST ON JUL 2	2.75 ON JUL 3	0B ON MAR 1	953	1982
1983	2.47 B AT 18 48 CST ON MAR 29	1.52 ON APR 3	0B ON MAR 1	749	1983
1984	1.19 B AT 16 46 CST ON MAR 23	0.7778 ON MAR 24	0B ON MAR 1	159	1984
1985	5.05 B AT 05 29 CST ON APR 2	3.84 B ON APR 3	0B ON MAR 1	1 990	1985
1986	1.52 AT 04 02 CST ON MAR 30	0.839 ON MAR 30	0B ON MAR 1	265	1986
				900	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OSCAR CREEK NEAR KRYDOR - STATION NO. 05GD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	1.35	---	---	---	---	---	---	---	---	---	1969
1970	---	---	0	1.23	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	---	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	2.29	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	---	---	---	---	---	---	---	---	---	1974
1976	---	---	---	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	---	---	---	---	---	---	---	---	1977
1978	---	---	0.049	0.151	0.123	0.049	0.003	0.012	0.022	0.042	---	---	0.056	1978
1979	---	---	0.021	0.388	0.987	0.184	0.019	0.006	0.008	0.127	---	---	0.217	1979
1980	---	---	0.012	0.182	0.006	0.009	0.005	0.005	0.003	0.015	---	---	0.028	1980
1981	---	---	0.034	0.103	0.030	0.028	0.071	0.043	0.003	0.003	---	---	0.039	1981
1982	---	---	0.045	0.176	0.039	0.095	0.078	0.044	0.003	0.007	---	---	0.080	1982
1983	---	---	0.048	0.515	0.258	0.017	0.027	0.002	0.001	0.006	---	---	0.108	1983
1984	---	---	0.046	0.073	0.067	0.067	0.011	0.017	0.010	0.050	---	---	0.043	1984
1985	---	---	0	2.96	1.85	0.037	0.007	0.002	0.003	0.012	---	---	0.579	1985
1986	---	---	0.097	0.291	0.139	0.008	0.057	0.007	0.015	0.034	---	---	0.081	1986
MEAN	---	---	0.027	0.810	0.367	0.053	0.031	0.015	0.008	0.033	---	---	0.135	MEAN

LOCATION - LAT 52 46 27 N DRAINAGE AREA, 240 km²
LONG 107 07 41 W NATURAL FLOW

OSCAR CREEK NEAR KRYDOR - STATION NO. 05GD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---			1968
1969	---	4.36 ON APR 13	0 B ON MAR 1 *	---	1969
1970	---	3.23 ON APR 27	0 B ON MAR 1	---	1970
1971	---	---	0 B ON MAR 1	---	1971
1972	---	5.95 ON APR 13	0 B ON MAR 1	---	1972
1973	---	---	0 B ON MAY 2	---	1973
1974	---	---	0 ON APR 1	---	1974
1976	---	---	0 B ON MAR 10	---	1976
1977	---	---	0 B ON MAR 2	---	1977
1978	---	0.314 ON APR 10	0 ON JUL 13	1 190	1978
1979	1.59 AT 08 40 CST ON MAY 17	1.55 B ON APR 25	0 ON JUL 19	4 580	1979
1980	---	0.7698 ON APR 15	0.001 ON AUG 24	617	1980
1981	---	0.233 ON AUG 4	0 ON AUG 15	830	1981
1982	1.85 AT 19 86 CST ON AUG 5	0.8198 ON APR 15	0 ON MAY 7	1 280	1982
1983	2.738 AT 13 08 CST ON APR 19	1.72 B ON APR 25	0 ON JUN 18	2 300	1983
1984	2.66 AT 12 31 CST ON MAY 25	0.440 ON MAY 19	0 ON JUL 3	902	1984
1985	10.6 AT 08 07 EST ON APR 22 *	10.1 ON APR 22 *	0 B ON MAR 1	12 300	1985
1986	1.518 AT 08 17 CST ON APR 10	0.5988 ON MAR 31	0.0018 ON MAR 8	1 710	1986
				2 880	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO. 07LE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	15.2	16.2	17.5	20.4	18.4	12.8	---	1976
1977	10.5	10.6	10.9	18.7	24.8	24.2	21.3	20.2	24.8	20.4	17.9	12.6	18.1	1977
1978	11.7	11.5	11.1	12.4	26.3	20.2	16.3	16.4	18.6	18.4	15.3	13.7	16.1	1978
1979	12.6	12.0	11.7	11.9	22.0	20.2	13.5	12.2	13.1	17.7	16.1	10.3	14.5	1979
1980	10.5	10.9	11.5	15.7	14.4	10.7	9.47	9.02	9.42	10.8	10.5	7.40	10.9	1980
1981	8.09	7.76	8.57	9.97	25.7	14.5	11.3	8.14	7.15	8.91	9.89	8.45	10.7	1981
1982	8.91	8.47	8.70	8.88	29.4	15.8	10.5	10.8	13.5	13.0	10.7	8.77	11.2	1982
1983	8.51	8.76	8.70	12.5	17.5	16.9	12.7	12.6	15.6	16.8	14.8	10.4	13.0	1983
1984	10.2	10.4	9.68	16.9	18.2	16.2	17.8	18.4	23.7	22.5	19.9	15.6	16.6	1984
1985	13.8	15.4	14.0	14.1	39.8	26.1	19.0	14.8	18.1	18.1	16.8	13.3	18.8	1985
1986	13.4	13.9	13.3	16.9	32.4	21.8	23.4	19.7	17.6	17.5	14.8	13.3	18.2	1986
MEAN	10.4	10.6	10.4	13.6	25.1	18.7	15.5	14.4	16.5	16.9	15.0	11.5	14.8	MEAN

LOCATION - LAT 58 55 40 N DRAINAGE AREA, 2 700 km²
LONG 107 29 20 W NATURAL FLOW

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO 07LE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	22.6R ON OCT 21	---	---	1976
1977	31.5 AT 17:56 CST ON MAY 3	31.0R ON MAY 3	9.96RB ON FEB 3	571 000	1977
1978	---	30.7E ON MAY 10	10.9 RB ON MAR 11	508 000	1978
1979	33.6 AT 16:31 CST ON MAY 24	33.4 ON MAY 24	9.828 ON DEC 19	456 000	1979
1980	22.6 AT 00:08 CST ON APR 27	22.5 ON APR 27	6.34 ON DEC 26	343 000	1980
1981	31.9 AT 16:52 CST ON MAY 12	31.6 ON MAY 12	6.128 ON DEC 31	338 000	1981
1982	38.3 AT 17:21 CST ON MAY 7	38.0 ON MAY 7	4.14 ON MAR 4 *	352 000	1982
1983	21.1 AT 08:38 CST ON MAY 2	21.0 ON APR 30	8.05 ON JAN 17	410 000	1983
1984	26.0 AT 14:54 CST ON SEP 7	25.8 ON SEP 7	8.09 ON MAR 18	526 000	1984
1985	52.0 AT 10:12 CST ON MAY 11 *	51.7 ON MAY 13 *	12.4 ON DEC 19	593 000	1985
1986	36.1 AT 17:30 CST ON MAY 14	35.8 ON MAY 15	12.6 ON JAN 5	574 000	1986
				467 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO 05LD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	6.11	---	---	---	---	---	---	---	---	1965
1972	---	---	---	---	14.1	5.69	---	---	---	---	---	---	---	1972
1973	---	---	---	---	6.80	---	---	---	---	---	---	---	---	1973
1974	---	---	---	4.48	10.9	4.19	---	---	---	---	---	---	---	1974
1975	---	---	0.256	2.73	7.31	4.29	1.21	0.511	1.21	0.838	---	---	2.30	1975
1976	---	---	0.080	1.74	0.847	4.18	1.50	0.962	0.280	0.249	---	---	1.23	1976
1977	---	---	0.003	1.02	1.06	0.334	0.220	0.838	1.11	0.837	---	---	0.663	1977
1978	---	---	0	1.31	3.12	1.24	0.510	1.72	2.02	2.14	---	---	1.51	1978
1979	---	---	0.123	2.06	10.3	4.08	0.384	0.038	0.144	0.483	---	---	2.21	1979
1980	---	---	0.100	1.12	0.301	0.240	1.11	0.908	0.590	1.11	---	---	0.684	1980
1981	---	---	0.115	0.704	0.733	0.295	0.410	0.571	0.228	1.92	---	---	0.625	1981
1982	---	---	0	0.907	1.41	2.71	1.07	0.838	0.584	1.03	---	---	1.04	1982
1983	---	---	0.176	1.45	2.42	5.11	6.52	0.871	2.10	1.23	---	---	2.48	1983
1984	---	---	0.189	4.74	7.27	3.86	0.312	0.044	0.177	1.10	---	---	2.20	1984
1985	---	---	0.147	3.65	3.41	2.00	1.04	0.851	0.404	0.784	---	---	1.53	1985
1986	---	---	0.056	1.99	4.79	1.48	0.500	0.359	0.205	0.597	---	---	1.25	1986
MEAN	---	---	0.104	2.15	5.05	2.83	1.23	0.676	0.754	1.04	---	---	1.48	MEAN

LOCATION - LAT 63 01 51 N
LONG 102 18 58 W
DRAINAGE AREA, 349 km^2
NATURAL FLOW

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO 05LD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	11.0 ON APR 30	0.142B ON MAR 1	48 700	1975
1976	11.0 AT 20:15 CST ON JUN 25	10.5 ON JUN 26	0.004 ON SEP 28	26 000	1976
1977	---	2.41A ON APR 19	0.003B ON MAR 1	14 000	1977
1978	7.11 AT 11:47 CST ON MAY 1	6.99 ON MAY 1	0 B ON MAR 1 *	31 900	1978
1979	25.5 E AT 20:35 CST ON MAY 18 *	24.1 A ON MAY 18 *	0.002 ON SEP 2	46 800	1979
1980	2.63 AT 14:05 CST ON APR 21	2.43 ON APR 21	0.003 ON JUN 23	14 500	1980
1981	4.14 AT 13:00 CST ON OCT 13	3.81 ON OCT 15	0.024 ON JUL 13	13 200	1981
1982	7.53 AT 02:06 CST ON JUN 2	6.89 ON JUN 2	0 B ON MAR 1	22 000	1982
1983	17.5 AT 17:32 CST ON JUL 6	15.6 ON JUL 6	0.0888 ON APR 15	52 500	1983
1984	15.4 AT 03:14 CST ON MAY 22	15.3 ON MAY 21	0.001 ON AUG 31	46 700	1984
1985	9.05 AT 15:17 CST ON APR 23	8.71 ON APR 23	0.0528 ON MAR 7	32 400	1985
1986	7.55 AT 02:38 CST ON MAY 17	7.46 ON MAY 17	0.037 ON SEP 2	26 400	1986
				31 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OXARAT CREEK AT WYLIE'S RANCH - STATION NO 11AC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.100	0.080	0.055	---	---	---	1909
1910	---	---	---	0.154	0.071	0.042	0.023	0.020	0.019	0.018	---	---	0.049	1910
1911	---	---	---	0.350	0.116	0.062	0.042	0.025	0.047	0.023	---	---	0.094	1911
1912	---	---	---	---	0.226	0.132	0.053	0.032	0.031	0.015	---	---	---	1912
1913	---	---	---	0.778	0.129	0.130	0.058	0.032	0.020	0.022	---	---	0.165	1913
1914	---	---	---	0.215	0.085	0.085	0.022	0.015	0.010	0.024	---	---	0.062	1914
1915	---	---	---	0.964	0.112	0.070	0.062	0.040	0.031	0.026	---	---	0.184	1915
1916	---	---	0.892	0.289	0.188	0.408	0.195	0.072	0.080	0.042	---	---	0.172	1916
1917	---	---	---	---	1.29	0.014	0.032	0.007	0	0	---	---	---	1917
1918	---	---	---	0.599	0.042	0.011	0.003	0.010	0.007	0.007	---	---	0.095	1918
1919	---	---	0.001	0.077	0.005	0.003	0.001	0.002	0.015	0.014	---	---	0.017	1919
MEAN	---	---	0.447	0.426	0.224	0.094	0.049	0.032	0.027	0.022	---	---	0.105	MEAN

LOCATION - LAT 49 29 48 N DRAINAGE AREA 140 km²
LONG 109 35 47 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1918

OXARAT CREEK AT WYLIE'S RANCH - STATION NO 11AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.340 ON APR 1	0.018 ON JUL 8	812	1910
1911	---	0.535 ON APR 7	0.023 ON AUG 13	1 740	1911
1912	---	---	---	---	1912
1913	---	1.42 E ON APR 1	0.018 ON SEP 14	3 050	1913
1914	---	0.552 ON APR 5	0.007 ON JUL 29	1 140	1914
1915	---	7.36 ON APR 3 *	0.015 ON OCT 27	3 410	1915
1916	---	0.906 ON JUN 13	0.037 ON OCT 16	3 190	1916
1917	---	---	0 ON JUN 6 *	---	1917
1918	---	2.46 ON APR 10	0 ON JUL 25	1 780	1918
1919	---	0.530E ON APR 3	0 ON JUL 4	308	1919
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 940	MEAN

PAGATO RIVER AT OUTLET OF PAGATO LAKE - STATION NO 08EA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	---	---	---	1973
1974	4.01	3.35	2.54	3.08	9.78	8.27	7.51	5.53	4.75	4.15	3.93	4.47	5.14	1974
1975	3.04	2.67	2.09	1.95	5.17	11.4	14.0	10.3	5.07	3.25	2.31	2.31	5.32	1975
1976	2.57	2.16	1.83	1.90	2.21	5.17	23.8	25.2	11.9	7.25	5.23	5.11	8.00	1976
1977	3.73	2.92	2.39	4.11	12.1	21.0	11.4	5.44	3.26	2.77	2.43	2.72	6.20	1977
1978	2.55	2.11	1.66	1.46	3.91	8.30	4.64	5.09	8.93	9.92	7.63	5.28	4.96	1978
1979	3.60	2.66	2.28	1.85	3.26	6.51	5.73	4.05	3.84	4.80	5.71	4.95	4.11	1979
1980	3.63	2.81	2.32	2.47	3.47	2.72	2.30	2.62	3.60	7.03	7.55	5.58	3.85	1980
1981	3.96	2.79	2.36	2.11	6.52	7.45	4.78	2.34	1.57	0.891	0.813	0.601	2.93	1981
1982	0.020	0	0	2.16	7.61	14.1	10.0	12.7	12.4	7.00	3.64	2.51	6.05	1982
1983	1.76	1.65	1.61	1.93	3.99	8.97	8.33	6.21	20.6	17.9	9.59	6.08	7.40	1983
1984	3.84	2.98	2.27	3.89	6.87	5.45	3.84	3.66	8.14	6.70	5.83	4.63	4.76	1984
1985	3.86	2.98	2.57	2.70	16.3	15.6	10.4	6.85	4.17	2.89	2.22	1.86	6.13	1985
1986	1.89	1.59	1.54	1.76	6.57	10.5	9.46	8.97	4.71	3.19	2.37	2.12	4.56	1986
MEAN	2.93	2.36	1.95	2.41	6.60	9.85	8.85	7.81	7.15	5.98	4.58	3.71	5.34	MEAN

LOCATION - LAT 58 06 40 N DRAINAGE AREA 981 km²
LONG 102 30 30 W NATURAL FLOW

PAGATO RIVER AT OUTLET OF PAGATO LAKE - STATION NO 08EA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	11.4 AT 03 36 CST ON MAY 22	11.3 ON MAY 21	2.14 ON MAR 26	182 000	1974
1975	15.7 AT 00 54 CST ON JUL 2	14.6 ON JUL 20	1.71 ON APR 3	188 000	1975
1976	31.7 AT 01 10 CST ON AUG 3 *	31.4 ON AUG 3	1.68 ON APR 7	253 000	1976
1977	24.1 AT 23 34 CST ON JUN 3	23.4 ON JUN 8	2.10 ON APR 11	196 000	1977
1978	10.6 AT 19 41 CST ON OCT 14	10.4 ON OCT 14	1.33 ON APR 7	155 000	1978
1979	7.30 AT 16 39 CST ON JUN 25	7.04 ON JUN 20	1.70 ON APR 13	130 000	1979
1980	8.94 AT 10 16 CST ON NOV 7	8.53 ON OCT 31	1.90 ON APR 13	122 000	1980
1981	8.21 AT 22 19 CST ON JUN 28	7.98A ON JUN 27	0.1348 ON OCT 25	92 500	1981
1982	17.0 AT 19 55 CST ON AUG 21	17.0 ON AUG 21	0 B ON JAN 5 *	191 000	1982
1983	---	37.5 E ON SEP 21 *	1.45 B ON FEB 3	233 000	1983
1984	9.11 AT 00 09 CST ON SEP 23	8.83A ON SEP 22	1.98 ON MAR 15	151 000	1984
1985	20.4 AT 17 24 CST ON MAY 23	20.2 ON MAY 23	1.70 ON DEC 29	193 000	1985
1986	11.5 AT 03 13 CST ON JUN 12	11.3 ON JUN 12	1.40 ON APR 4	144 000	1986
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		189 000	MEAN

PAGE CREEK NEAR IFFLEY - STATION NO. 05EG008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	0.383	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	1.08	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.730	0.697	0.217	0.021	0.008	0.029	0.041	---	---	0.216	1975
1976	---	---	0	0.277	0.082	0.029	0.088	0.031	0.001	0	---	---	0.084	1976
1977	---	---	0	0.105	0.083	0.097	0	0	0	0	---	---	0.037	1977
1978	---	---	0	0.731	0.477	0.104	0	0	0	0	---	---	0.163	1978
1979	---	---	0	3.24	2.90	0.118	0.003	0	0	0	---	---	0.778	1979
1980	---	---	0	0.821	0.083	0.001	0.005	0.023	0.002	0.013	---	---	0.116	1980
1981	---	---	0.083	2.53	0.380	0.086	0.011	0.008	0	0.010	---	---	0.380	1981
1982	---	---	0.013	1.18	0.380	0.117	0.475	0.253	0.108	0.034	---	---	0.319	1982
1983	---	---	0.008	2.80	0.459	0.236	0.447	0.008	0.001	0.006	---	---	0.465	1983
1984	---	---	0.080	1.38	0.439	0.487	0.003	0	0.001	0.018	---	---	0.292	1984
1985	---	---	0.002	8.52	2.59	0.093	0.005	0.001	0	0.001	---	---	1.38	1985
1986	---	---	0.041	1.56	0.182	0.083	0.209	0.187	0.003	0	---	---	0.277	1986
MEAN	---	---	0.018	1.97	0.729	0.134	0.106	0.043	0.012	0.010	---	---	0.374	MEAN

LOCATION - LAT 52 56 26 N
LONG 108 05 17 W
DRAINAGE AREA 921 km²
NATURAL FLOW

PAGE CREEK NEAR IFFLEY - STATION NO. 05EG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	5.18 ON APR 17	---	---	1971
1973	---	1.29 B ON APR 14	---	---	1973
1974	---	---	---	---	1974
1975	---	2.59 ON APR 28	0 B ON MAR 1 *	4 580	1975
1976	---	0.9498 ON APR 11	0 B ON MAR 1	1 380	1976
1977	---	0.5868 ON APR 14	0 B ON MAR 1	774	1977
1978	---	2.34 ON APR 12	0 B ON MAR 1	3 440	1978
1979	---	15.0 E ON MAY 1	0 B ON MAR 1	18 500	1979
1980	2.86 AT 18 03 CST ON APR 19	2.60 ON APR 19	0 B ON MAR 1	2 470	1980
1981	4.42 AT 17 47 CST ON APR 2	3.81 ON APR 2	0 ON JUN 26	8 040	1981
1982	---	3.25 E ON APR 23	0.0088 ON MAR 25	5 750	1982
1983	8.98 AT 08 15 CST ON APR 21	9.41 ON APR 21	0 B ON MAR 1	9 840	1983
1984	3.49 AT 17 30 CST ON APR 7	3.44 ON APR 7	0 ON JUL 7	8 190	1984
1985	33.9 AT 10 35 CST ON APR 22 *	28.6 ON APR 22 *	0 B ON MAR 1	29 300	1985
1986	5.86 AT 14 36 CST ON APR 8	4.78 ON APR 8	0 B ON MAR 1	5 870	1986
				7 930	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARSONAGE DITCH NEAR BATTLE CREEK - STATION NO. 11AB053

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 31 30 N
LONG 109 51 00 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-37

PARSONAGE DITCH NEAR BATTLE CREEK - STATION NO. 11AB053

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
				0	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PASQUIA RIVER AT HIGHWAY NO. 5 - STATION NO. 05KJ014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0.085	1.24	4.72	1.48	0.390	0.786	1.27	0.780	---	---	1.36	1974
1975	---	---	0.046	0.564	4.81	2.75	0.390	0.684	0.459	0.286	---	---	1.25	1975
1976	---	---	0.015	0.798	0.583	2.46	0.858	0.448	0.151	0.212	---	---	0.661	1976
1977	---	---	0.005	0.819	1.80	0.220	0.187	0.501	0.610	0.301	---	---	0.543	1977
1978	---	---	0	0.437	2.20	1.17	0.456	1.36	0.894	0.926	---	---	0.926	1978
1979	---	---	0.010	0.109	4.04	1.48	0.250	0.034	0.085	0.192	---	---	0.776	1979
1980	---	---	0.002	0.773	0.249	0.051	0.477	0.224	0.276	0.444	---	---	0.313	1980
1981	---	---	0	0.126	0.795	0.405	1.01	0.206	0.213	1.14	---	---	0.489	1981
1982	---	---	0	0.561	1.36	1.11	0.386	0.169	0.614	0.449	---	---	0.582	1982
1983	---	---	0	0.625	1.82	1.26	1.24	0.159	1.32	0.480	---	---	0.836	1983
1984	---	---	0.076	2.19	2.88	1.47	0.190	0.025	0.086	0.787	---	---	0.961	1984
1985	---	---	0.028	1.27	2.17	0.786	0.385	0.250	0.156	0.333	---	---	0.671	1985
1986	---	---	0.016	0.709	1.81	0.535	0.362	0.346	0.508	0.896	---	---	0.623	1986
MEAN	---	---	0.022	0.803	2.22	1.17	0.505	0.395	0.497	0.532	---	---	0.769	MEAN

LOCATION - LAT 53 15 20 N
LONG 102 06 15 W
DRAINAGE AREA 74.3 km²
NATURAL FLOW

PASQUIA RIVER AT HIGHWAY NO. 5 - STATION NO. 05KJ014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	13.3 AT 21 11 CST ON MAY 27	9.60 ON MAY 28	0.0220 ON APR 12	28 700	1974
1975	---	14.7 E ON MAY 20 *	0.014 ON APR 19	26 400	1975
1976	11.8 AT 13 23 CST ON JUN 24	11.3 ON JUN 24	0.0148 ON MAR 1	14 000	1976
1977	7.39 AT 15 37 CST ON MAY 16	5.72 ON MAY 16	0.0038 ON MAR 1	11 500	1977
1978	---	6.918 ON MAY 4	0 0 ON MAR 1 *	18 700	1978
1979	15.7 AT 20 46 CST ON MAY 25	14.0 ON MAY 25	0.001 ON SEP 1	16 400	1979
1980	---	4.118 ON APR 22	0.0018 ON MAR 1	6 630	1980
1981	9.40 AT 06 03 CST ON JUL 16	8.47 ON JUL 16	0 0 ON MAR 1	10 400	1981
1982	6.17 AT 00 21 CST ON JUN 2	4.788 ON APR 30	0 0 ON MAR 1	12 300	1982
1983	4.70 AT 03 15 CST ON APR 26	3.97 ON APR 26	0 0 ON MAR 1	17 700	1983
1984	15.8 AT 10 26 CST ON MAY 16 *	11.9 ON MAY 16	0.001 ON SEP 3	20 400	1984
1985	8.00 AT 18 33 CST ON MAY 5	7.03 ON MAY 5	0.0208 ON MAR 1	14 200	1985
1986	4.86 AT 06 22 CST ON SEP 27	4.46 ON SEP 27	0.0068 ON MAR 6	13 200	1986
				16 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PATTERSON DITCH NEAR BATTLE CREEK - STATION NO. 11AB054

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0	0.022	0.011	0	0	0	0	---	---	0.004	1919
1920	---	---	0	0.065	0	0	0	0	0	0	---	---	0.008	1920
1921	---	---	0.008	0.001	0	0	0.003	0	0	0	---	---	0.002	1921
1922	---	---	0	0.025	0.015	0	0	0	0	0	---	---	0.005	1922
1923	---	---	0	0	0.047	0	0	0	0	0	---	---	0.006	1923
1924	---	---	0	0	0	0	0.004	0.005	0.006	0	---	---	0.002	1924
1925	---	---	0	0.007	0	0	0	0	0	0	---	---	0.001	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0.026	0	0	0	0	0	0	---	---	0.003	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0.013	0.004	0	0	0	0	---	---	0.013	1931
MEAN	---	---	0.001	0.010	0.006	0.005	0.001	0	0	0	---	---	0.003	MEAN

LOCATION - LAT 49 26 00 N
LONG 105 50 30 W
REGULATED

PATTERSON DITCH NEAR BATTLE CREEK - STATION NO 11AB054

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.059 ON MAY 17	0 ON MAR 1 *	88.1	1919
1920	---	0.351 ON APR 14 *	0 ON MAR 1	196	1920
1921	---	0.130 ON MAR 11	0 ON MAR 1	33.5	1921
1922	---	0.285 ON APR 30	0 ON MAR 1	106	1922
1923	---	0.113 ON MAY 17	0 ON MAR 1	135	1923
1924	---	0.031 ON JUL 28	0 ON MAR 1	36.9	1924
1925	---	0.207 ON APR 6	0 ON MAR 1	17.9	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0.276 ON APR 27	0 ON MAR 1	66.6	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0.311 ON JUN 16	0 ON MAR 1	200	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		71.1	MEAN

PEARSE DITCH NEAR RAVENSCRAG - STATION NO 11AC047

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0	0	0	---	---	---	---	---	---	1915
1916	---	---	---	---	0	0	0	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	0	0	0	0.012	0.009	0	0	0	---	---	0.002	1921
1922	---	---	0	0	0.001	0.020	0.014	0	0	0	---	---	0.004	1922
1923	---	---	0	0	0.007	0.043	0.026	0	0	0	---	---	0.012	1923
1924	---	---	0	0	0.010	0.025	0.017	0	0	0	---	---	0.006	1924
1925	---	---	0	0	0.010	0.033	0.005	0	0	0	---	---	0.006	1925
1926	---	---	0	0	0.006	0.026	0.020	0	0	0	---	---	0.006	1926
1927	---	---	0	0	0	0.059	0.043	0	0	0	---	---	0.006	1927
1928	---	---	0	0	0.015	0.034	0	0	0	0	---	---	0.007	1928
1929	---	---	0	0	0	0.035	0.026	0	0	0	---	---	0.006	1929
1930	---	---	0	0	0.005	0.034	0.018	0	0	0	---	---	0.007	1930
1931	---	---	0	0	0.004	0.015	0	0	0	0	---	---	0.002	1931
MEAN	---	---	0	0	0.005	0.024	0.014	0	0	0	---	---	0.005	MEAN

LOCATION - LAT 49 32 10 N
LONG 109 01 30 W REGULATED

PEARSE DITCH NEAR RAVENSCRAG - STATION NO 11AC047

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON MAY 1 *	---	1915
1916	---	---	0 ON MAY 1	---	1916
1917	---	---	0 ON JUL 25	---	1917
1920	---	---	0 ON OCT 13	---	1920
1921	---	0.034 ON JUL 25	0 ON MAR 1	64.6	1921
1922	---	0.031 ON MAY 31	0 ON MAR 1	60.5	1922
1923	---	0.088 ON JUN 14	0 ON MAR 1	203	1923
1924	---	0.071 ON JUN 7	0 ON MAR 1	135	1924
1925	---	0.091 ON MAY 30	0 ON MAR 1	124	1925
1926	---	0.083 ON JUL 1	0 ON MAR 1	136	1926
1927	---	0.132 ON JUL 4 *	0 ON MAR 1	137	1927
1928	---	0.081 ON JUN 19	0 ON MAR 1	136	1928
1929	---	0.079 ON JUN 14	0 ON MAR 1	169	1929
1930	---	0.052 ON JUN 20	0 ON MAR 1	101	1930
1931	---	0.028 ON MAY 28	0 ON MAR 1	51.0	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		121	MEAN

PELLETIER CREEK NEAR DUNCAIRN - STATION NO 05HD020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.337	0.375	0.208	0.188	0.086	0.087	0.170	0.120	---	---	0.184	1944
1945	---	---	0.488	0.182	0.089	0.032	0.005	0.010	0.011	0.035	---	---	0.103	1945
1946	---	---	0.676	0.095	0.035	0.029	0.010	0.010	0.010	0.030	---	---	0.091	1946
1947	---	---	0.084	0.443	0.052	0.083	0.236	0.189	0.048	0.022	---	---	0.145	1947
1948	---	---	0.071	0.420	0.143	0.058	0.022	0.021	0.003	0.018	---	---	0.084	1948
1949	---	---	0.086	0.118	0.044	0.027	0.036	0	0.004	0.018	---	---	0.043	1949
1950	---	---	0.037	1.01	0.070	0.052	0.072	0.014	0.010	0.031	---	---	0.161	1950
1951	---	---	0	0.059	0.432	0.187	0.060	0	0.058	0.075	---	---	0.108	1951
1952	---	---	0.140	3.06	0.501	0.025	0.057	0.048	0.051	0.028	---	---	0.607	1952
1953	---	---	0.624	0.240	0.331	0.321	0.202	0.138	0.178	0.035	---	---	0.231	1953
1954	---	---	0.057	0.809	0.124	0.277	0.040	0.021	0.042	0.040	---	---	0.150	1954
MEAN	---	---	0.202	0.852	0.183	0.122	0.075	0.047	0.058	0.041	---	---	0.171	MEAN

LOCATION - LAT 50 06 20 N DRAINAGE AREA, 180 km^2
LONG 107 57 20 W REGULATED

PELLETIER CREEK NEAR DUNCAIRN - STATION NO 05HD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE ($1000 m^3$)	YEAR
1944	---	2.55 B ON MAR 31	0.023 ON AUG 16	3 090	1944
1945	---	2.16 B ON MAR 11	0 0 ON MAR 1 *	2 190	1945
1946	---	2.62 B ON MAR 12	0.093 ON JUL 26	1 930	1946
1947	---	1.05 B ON APR 10	0 0 ON MAR 1	2 460	1947
1948	---	1.27 B ON APR 18	0 0 ON MAR 1	1 940	1948
1949	---	0.351 ON APR 8	0 0 ON MAR 1	912	1949
1950	---	4.42 B ON APR 16	0 0 ON MAR 1	3 490	1950
1951	---	1.67 B ON APR 25	0 0 ON MAR 1	4 010	1951
1952	---	10.7 ON APR 15 *	0.011 ON OCT 23	10 300	1952
1953	---	3.71 B ON MAR 30	0 0 ON MAR 1	4 800	1953
1954	---	3.06 B ON APR 9	0.006 ON JUL 25	3 170	1954
MEAN				3 630	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PETAIGAN RIVER BELOW PETAIGAN SCHOOL - STATION NO 05HD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0	24.0	4.52	0.063	0.012	0	0	0	---	---	3.52	1955
1956	---	---	0	0.281	14.0	0.036	0.017	0	0	0	---	---	1.61	1956
1957	---	---	0	6.50	0.612	0.011	0	0	0	0	---	---	0.913	1957
1958	---	---	0	2.45	0.062	0	0	0	0	0	---	---	0.306	1958
1959	---	---	0	2.96	0.135	0.006	0.001	0	0	0	---	---	0.380	1959
1960	---	---	0	3.61	0.161	0.026	0	0	0	0	---	---	0.466	1960
1961	---	---	0	1.30	0.019	0.001	0	0	0	0	---	---	0.162	1961
MEAN	---	---	0	5.91	2.81	0.018	0.006	0	0	0	---	---	1.00	MEAN

LOCATION - LAT 53 31 00 N DRAINAGE AREA 466 km^2
LONG 103 32 00 W NATURAL FLOW

PETAIGAN RIVER BELOW PETAIGAN SCHOOL - STATION NO 05HD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE ($1000 m^3$)	YEAR
1955	---	52.40 ON APR 6	00 00 MAR 1 *	74 500	1955
1956	---	60.7 ON MAY 5 *	00 00 MAR 1	36 600	1956
1957	---	49.0 ON APR 26	00 00 MAR 1	19 300	1957
1958	---	22.6 ON APR 7	00 00 MAR 1	6 450	1958
1959	---	22.3 ON APR 12	0 00 MAR 1	8 040	1959
1960	---	19.7 ON APR 15	00 00 MAR 1	10 300	1960
1961	---	12.7 ON APR 18	00 00 MAR 1	3 620	1961
MEAN				22 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 05JL005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	---	0.048	0.006	0	0	0	0	---	---	---	1946
1947	---	---	0	4.17	0.246	0.920	0.179	0	0	0	---	---	0.877	1947
1948	---	---	0	2.83	0.349	0.055	0	0	0	0	---	---	0.392	1948
1949	---	---	0	0.235	0	0	0	0	0	0	---	---	0.029	1949
1950	---	---	0.010	1.30	0.023	0	0	0	0	0	---	---	0.184	1950
1951	---	---	0	1.06	0.487	0.142	0	0	0	0	---	---	0.209	1951
1952	---	---	0.558	1.58	0.115	0	0	0	0	0	---	---	0.278	1952
1953	---	---	0.567	1.81	0.178	0.535	0.093	0.427	0.018	0.012	---	---	0.463	1953
1954	---	---	0	2.77	0.504	1.67	3.88	0.556	1.43	0.681	---	---	1.43	1954
1955	---	---	0.052	7.21	9.34	0.922	2.35	0.474	0.001	0.002	---	---	2.53	1955
1956	---	---	0	10.1	4.36	0.401	0.112	0.006	0.059	0.019	---	---	1.86	1956
1957	---	---	0.150	3.57	0.113	0.009	0.001	0.013	0.002	0.006	---	---	0.500	1957
1958	---	---	0.788	0.335	0.121	0.085	0.001	0	0	0	---	---	0.116	1958
1959	---	---	0.029	0.031	0.008	0	0	0	0	0	---	---	0.008	1959
1960	---	---	0	1.89	0.050	0.017	0.001	0	0	0	---	---	0.240	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.567	0	0	0	0	0	0	---	---	0.070	1962
1963	---	---	0.536	0	0	0	0.243	0.003	0	0	---	---	0.036	1963
1964	---	---	0.512	1.16	0.169	0.008	0	0	0	0	---	---	0.186	1964
1965	---	---	0	0.668	0.108	0.077	0.001	0	0	0	---	---	0.105	1965
1966	---	---	0.250	1.19	0.055	0.016	0.118	0	0	0	---	---	0.201	1966
1967	---	---	0	2.21	0.597	0.002	0	0	0	0	---	---	0.347	1967
1968	---	---	0.150	0.262	0.004	0	0	0	0	0	---	---	0.127	1968
1969	---	---	0	3.43	0.029	0.004	0.006	0	0	0	---	---	0.425	1969
1970	---	---	0	1.60	0.380	0.038	0	0	0	0	---	---	0.250	1970
1971	---	---	0	3.34	0.306	0.019	0.149	0	0	0	---	---	0.488	1971
1972	---	---	0.305	1.25	0.345	0.006	0	0	0	0	---	---	0.238	1972
1973	---	---	0.025	0.003	0.006	0.007	0.041	0	0	0	---	---	0.010	1973
1974	---	---	0	5.10	1.21	0.305	0.001	0.001	0.003	0.008	---	---	0.816	1974
1975	---	---	0	5.88	1.87	0.190	0.012	0.001	0.002	0.005	---	---	0.983	1975
1976	---	---	0.603	10.1	0.252	2.76	0.441	0	0	0	---	---	1.87	1976
1977	---	---	0.008	0.014	0.024	0.002	0.005	0	0	0	---	---	0.007	1977
1978	---	---	0.593	0.884	0.098	0.123	0.065	0.006	0	0.001	---	---	0.193	1978
1979	---	---	0.815	3.76	1.11	0.079	0	0	0	0	---	---	0.613	1979
1980	---	---	0.033	1.48	0.001	0	0	0	0	0	---	---	0.188	1980
1981	---	---	0.002	0.001	0.002	0.001	0.025	0.057	0	0	---	---	0.011	1981
1982	---	---	0.002	1.14	0.005	0	0.005	0	0	0	---	---	0.141	1982
1983	---	---	0	1.92	0.084	0.034	0.257	0.004	0.001	0.001	---	---	0.283	1983
1984	---	---	0.130	0.086	0.007	0.003	0	0	0	0.002	---	---	0.026	1984
1985	---	---	0.616	3.98	0.044	0.003	0	0	0.002	0.004	---	---	0.610	1985
1986	---	---	0.703	0.144	0.096	0.002	0	0	0	0	---	---	0.119	1986
MEAN	---	---	0.146	2.17	0.554	0.205	0.194	0.036	0.037	0.018	---	---	0.426	MEAN

LOCATION: LAT 50 44 00 N DRAINAGE AREA, 1 150 km²
LONG 102 19 41 W REGULATED

PHEASANT CREEK NEAR ABERNETHY - STATION NO 05JL005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	---	0 ON MAY 30 *	---	1946
1947	---	15.1 ON APR 16	0.0 ON MAR 1	14 300	1947
1948	---	13.5 ON APR 21	0.0 ON MAR 1	8 290	1948
1949	---	2.44 ON APR 9	0.0 ON MAR 1	804	1949
1950	---	9.06 B ON APR 17	0.0 ON MAR 1	3 470	1950
1951	---	2.44 B ON APR 9	0.0 ON MAR 1	4 420	1951
1952	---	6.29 B ON MAR 29	0.0 ON MAR 1	5 900	1952
1953	---	14.8 B ON MAR 31	0.0 ON MAR 1	9 810	1953
1954	---	20.6 ON JUL 11	0.0 ON MAR 1	30 300	1954
1955	---	26.8 E ON MAY 4	0.0 ON MAR 1	53 700	1955
1956	---	36.8 ON APR 15	0.0 ON MAR 1	39 400	1956
1957	---	12.2 B ON APR 6	0.0 ON MAR 1	10 600	1957
1958	2.83 B AT 12 30 CST ON MAR 29	2.44 B ON MAR 29	0.0 ON MAR 1	2 480	1958
1959	---	0.1138 ON MAR 25	0.0 ON MAR 1	180	1959
1960	---	8.84 A ON APR 7	0.0 ON MAR 1	5 070	1960
1961	---	0.0034 ON MAR 23	0.0 ON MAR 1	0.52	1961
1962	8.10 AT 18 00 CST ON APR 16	3.88 ON APR 16	0.0 ON MAR 1	1 470	1962
1963	7.16 AT 18 00 CST ON JUL 9	3.34 ON JUL 10	0.0 ON MAR 1	796	1963
1964	4.56 B AT 03 00 CST ON APR 6	3.88 B ON APR 5	0.0 ON MAR 1	2 520	1964
1965	---	5.91 A ON APR 13	0 ON MAR 1	2 220	1965
1966	---	8.24 ON APR 2	0.0 ON MAR 1	4 280	1966
1967	10.8 AT 22 00 CST ON APR 16	10.5 ON APR 17	0.0 ON MAR 1	7 350	1967
1968	---	3.51 ON MAR 28	0.0 ON MAR 1	2 700	1968
1969	19.1 AT 20 00 CST ON APR 11	16.0 ON APR 12	0.0 ON MAR 1	8 000	1969
1970	11.5 AT 22 00 CST ON APR 6	9.34 ON APR 7	0.0 ON MAR 1	5 390	1970
1971	19.5 B AT 18 04 CST ON APR 9	14.9 ON APR 10	0.0 ON MAR 1	9 820	1971
1972	6.73 B AT 07 38 CST ON APR 11	4.85 B ON APR 11	0.0 ON MAR 1	5 040	1972
1973	0.614 AT 13 16 CST ON JUL 3	0.439 ON JUL 4	0.0 ON MAR 1	218	1973
1974	38.2 AT 11 12 CST ON APR 19	35.0 ON APR 19	0.0 ON MAR 1	17 300	1974
1975	34.8 AT 08 16 CST ON APR 29	31.7 ON APR 29	0.0 ON MAR 1	20 800	1975
1976	49.0 AT 14 00 CST ON APR 9 *	47.3 B ON APR 9 *	0.0 ON MAR 1	39 200	1976
1977	0.229 AT 04 47 CST ON JUL 13	0.088 ON MAY 21	0.0 ON MAR 1	141	1977
1978	7.08 B AT 21 19 CST ON MAR 27	4.50 B ON MAR 31	0.0 ON MAR 1	4 080	1978
1979	26.1 B AT 21 07 CST ON APR 20	19.2 B ON APR 21	0.0 ON MAR 1	13 080	1979
1980	8.51 B AT 21 47 CST ON APR 4	6.98 B ON APR 5	0.0 ON MAR 1	3 930	1980
1981	0.880 AT 15 04 CST ON JUL 30	0.239 ON JUL 31	0.0 ON MAY 20	234	1981
1982	12.7 B AT 21 06 CST ON APR 12	10.3 B ON APR 13	0.0 ON MAR 1	2 980	1982
1983	16.5 AT 12 40 CST ON APR 21	16.2 ON APR 21	0.0 ON MAR 1	5 830	1983
1984	0.8498 AT 07 05 CST ON MAR 24	0.8498 ON MAR 24	0.0 ON MAR 1	545	1984
1985	27.2 AT 15 51 CST ON APR 3	21.3 ON APR 3	0.0 ON MAR 1	13 900	1985
1986	3.97 B AT 14 24 CST ON MAR 17	3.03 B ON MAR 17	0.0 ON MAR 1	2 530	1986
MEAN				9 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PHEASANT CREEK NEAR BLACKWOOD - STATION NO 05JL003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0.018	0.887	0.088	0.007	0.002	0.006	0.003	0	---	---	0.124	1941
1942	---	---	0.088	2.67	0.078	0.084	0.086	0.029	---	---	---	---	---	1942
1943	---	---	0.114	3.77	0.303	0.071	0.016	0.018	0.004	0.003	---	---	0.626	1943
1944	---	---	0	0.308	0.011	0.014	---	---	---	---	---	---	---	1944
1945	---	---	0.008	0.006	0.004	0	0	0	0	0	---	---	0.002	1945
MEAN	---	---	0.042	1.53	0.095	0.031	0.026	0.014	0.002	0.001	---	---	0.218	MEAN

LOCATION - LAT 50 35 00 N, LONG 103 28 00 W
DRAINAGE AREA, 1 400 km^2
NATURAL FLOW

PHEASANT CREEK NEAR BLACKWOOD - STATION NO 05JL003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	3.20 ON APR 9	0.0 ON MAR 1 *	2 630	1941
1942	---	12.3 ON APR 6 *	0.0 ON MAR 1	---	1942
1943	---	12.3 ON APR 6	0 ON MAR 1	11 200	1943
1944	---	---	0.0 ON MAR 1	---	1944
1945	---	0.0088 ON MAR 1	0 ON MAY 26	45.5	1945
MEAN				4 630	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIAPOT CREEK NEAR PIAPOT - STATION NO. 05HA062

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1906	---	---	---	---	---	---	---	0.039	0.019	0.035	---	---	---	1906
1909	---	---	---	---	0.468	1.11	0.483	0.099	0.076	0.076	---	---	---	1909
1910	---	---	---	0.120	0.030	0.022	0.018	0.022	0.027	0.035	---	---	---	1910
1911	---	---	---	---	0.182	0.088	0.126	0.056	0.153	0.107	---	---	---	1911
1912	---	---	---	---	0.520	0.282	0.111	0.105	0.083	0.074	---	---	---	1912
1913	---	---	---	1.50	0.182	0.051	0.020	0.013	0.013	0.020	---	---	---	1913
1914	---	---	---	0.176	0.044	0.015	0.002	0.001	0.021	0.081	---	---	---	1914
1915	---	---	---	0.185	0.064	0.282	0.327	0.063	0.078	0.104	---	---	---	1915
1916	---	---	0.610	0.309	0.628	0.949	0.675	0.253	0.081	0.189	---	---	0.458	1916
1917	---	---	---	1.73	0.997	0.148	0.024	0.026	0.034	0.044	---	---	---	1917
1918	---	---	---	0.828	0.205	0.044	0.021	0.011	0.011	0.031	---	---	---	1918
1919	---	---	0.068	0.308	0.110	0.016	0.004	0.001	0.007	0.020	---	---	0.066	1919
1936	---	---	0.026	0.229	0.039	0.014	---	---	---	---	---	---	---	1936
1983	---	---	0.035	0.012	0.001	0.010	0.032	0.001	0	0	---	---	0.011	1983
1984	---	---	0.012	0.052	0.189	0.052	0.001	0	0.011	0.029	---	---	0.043	1984
1985	---	---	0.014	0.026	0.313	0.129	0.241	0.018	0.090	0.046	---	---	0.221	1985
1986	---	---	0.286	0.254	0.148	0.191	0.037	0.043	0.016	0.024	---	---	0.118	1986
1987	---	---	0.858	0.436	0.977	0.078	0.016	0.008	0.035	0.026	---	---	0.279	1987
1988	---	---	0.319	0.108	0.069	0.060	0.007	0.015	0.025	0.017	---	---	0.076	1988
1989	---	---	0.385	0.868	0.231	0.024	0.060	0.006	0.005	0.040	---	---	0.174	1989
1970	---	---	0.083	0.508	0.200	0.230	0.063	0.008	0.016	0.024	---	---	0.161	1970
1971	---	0.089	0.118	0.407	0.162	0.120	0.004	0	0.006	0.014	---	---	0.101	1971
1972	---	---	0.106	0.026	0.162	0.013	0.012	0.004	0.004	0.021	---	---	0.046	1972
1973	---	---	0.043	0.135	0.089	0.122	---	---	---	---	---	---	---	1973
MEAN	---	0.089	0.190	0.435	0.278	0.175	0.109	0.036	0.035	0.046	---	---	0.148	MEAN

LOCATION - LAT 49 54 45 N DRAINAGE AREA 122 km²
LONG 109 15 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971

PIAPOT CREEK NEAR PIAPOT - STATION NO. 05HA062

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1906	---	---	---	---	1906
1909	---	15.6 ON JUN 21 *	0 ON JUL 24 *	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	3.94 ON APR 1	---	---	1913
1914	---	0.8218 ON MAR 16	---	---	1914
1915	---	2.10 ON JUN 1	---	---	1915
1916	---	13.9 ON JUL 27	0.048 ON SEP 20	9 690	1916
1917	---	3.88 ON APR 22	---	---	1917
1918	---	3.54 ON MAR 25	---	---	1918
1919	---	0.736 ON APR 19	0 ON JUN 26	1 400	1919
1936	1.31 ON APR 12	1.31 ON APR 12	---	---	1936
1983	---	0.214 ON JUL 1	0 ON MAY 5	243	1983
1984	---	1.24 ON MAY 8	0 E ON MAR 16	922	1984
1985	---	2.23 ON APR 20	0 E ON MAR 16	4 680	1985
1986	---	0.7538 ON MAR 13	0 ON AUG 4	2 520	1986
1987	---	2.27 ON MAY 16	0 ON SEP 2	5 810	1987
1988	---	0.4538 ON MAR 6	0 ON JUN 7	1 610	1988
1989	---	3.31 ON APR 7	0 ON AUG 14	3 690	1989
1970	---	2.44 ON MAY 5	0 E ON MAR 1	3 830	1970
1971	---	0.9038 ON MAR 30	0 E ON MAR 24	2 140	1971
1972	3.11 AT 21 15 CST ON MAY 26 *	2.06 ON MAY 27	0 E ON MAR 1	861	1972
1973	---	---	---	---	1973

E - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

3 130 MEAN

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	3.50	2.23	0.021	0	0	0	0	---	---	0.714	1975
1976	---	---	16.5	1.94	0.037	0	0	0	0	0	---	---	2.33	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	9.78	3.87	0.113	0.152	0.472	0.028	0.623	0.033	---	---	1.89	1978
1979	---	---	5.08	5.95	0.886	0.049	0.002	0	0	0	---	---	1.50	1979
1980	---	---	1.38	1.91	0.006	0	0	0	0	0	---	---	0.407	1980
1981	---	---	0.201	0.002	0	0	0	0	0	0	---	---	0.026	1981
1982	---	0	5.85	8.29	0.334	1.02	0.027	0.031	0	0	---	---	1.91	1982
1983	---	0	0.026	0.580	0.062	0.019	0	0	0	0	---	---	0.084	1983
1984	---	---	0.003	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.280	0.028	0.005	0	0	0	0	0	---	---	0.123	1985
1986	---	0.019	8.02	0.126	0.350	0.019	0.001	0	0	0	---	---	1.08	1986
MEAN	---	0.006	3.81	2.23	0.344	0.107	0.043	0.005	0.052	0.003	---	---	0.839	MEAN

LOCATION - LAT 49 39 53 N DRAINAGE AREA 1 870 km²
LONG 106 43 30 W NATURAL FLOW

PINTO CREEK NEAR WOODROW - STATION NO 05JA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	21.1 AT 15 45 CST ON APR 27	17.2 ON APR 27	00 ON MAR 1 *	15 100	1975
1976	130 AT 11 00 CST ON MAR 23 *	111 ON MAR 23 *	00 ON MAR 1	88 200	1976
1977	0 B AT 00 00 CST ON MAR 1	0 B ON MAR 1	00 ON MAR 1	B	1977
1978	56.6 AT 12 11 CST ON MAR 26	56.9 ON MAR 25	00 ON MAR 1	39 800	1978
1979	25.7 B AT 13 39 CST ON MAR 22	25.2 B ON MAR 22	00 ON MAR 1	31 800	1979
1980	14.8 AT 19 32 CST ON APR 1	12.2 ON APR 2	00 ON MAR 1	8 600	1980
1981	---	1 15.0 ON MAR 1	0 ON APR 19	546	1981
1982	27.4 AT 06 21 CST ON APR 3	25.0 ON APR 2	00 ON MAR 1	40 300	1982
1983	6.76 AT 00 31 CST ON APR 5	5.35 ON APR 5	0 ON JUN 20	1 790	1983
1984	0.0820 AT 16 49 CST ON MAR 20	0.0390 ON MAR 20	00 ON MAR 1	B 81	1984
1985	6.96 AT 21 04 CST ON APR 3	6.30 ON APR 4	00 ON MAR 1	2 810	1985
1986	39.6 B AT 17 20 CST ON MAR 3	37.3 B ON MAR 3	0 ON JUL 16	22 800	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 700	MEAN

PIPESTONE CREEK ABOVE MOOSOMIN RESERVOIR - STATION NO 05AE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	4.41	0.561	0.200	0.003	0	0	0	---	---	0.859	1980
1981	---	---	0	0.014	0.007	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	0.100	0.007	0	0	0	0	0	---	---	0.013	1982
1983	---	---	0.862	0.210	0.001	0.470	0.222	0.220	0.001	0.000	---	---	0.275	1983
1984	---	---	0	1.82	0.584	0.004	0.000	0	0	0.002	---	---	0.274	1984
1985	---	---	0	2.76	0.518	0.630	0.156	0.046	0.336	0.284	---	---	0.729	1985
1986	---	---	0.370	2.55	0.947	0.288	0.200	0.066	0.070	0.069	---	---	0.569	1986
1987	---	---	0	3.03	0.922	0.025	0	0	0	0	---	---	0.486	1987
1988	---	---	0.630	0.186	0.065	0.004	0	0	0	0	---	---	0.109	1988
1989	---	---	0	8.12	0.918	0.062	0.105	0	0	0	---	---	1.14	1989
1970	---	---	0	4.82	3.96	0.531	0.167	0.091	0.004	0	---	---	1.16	1970
1971	---	---	0	2.59	0.821	0.227	0.189	0.401	0	0	---	---	0.489	1971
1972	---	---	2.03	3.02	0.712	0.277	0.205	0.037	0	0	---	---	0.762	1972
1973	---	---	0.123	0.115	0.185	0.217	0.161	0.016	0.042	0.010	---	---	0.109	1973
1986	---	---	---	---	---	---	---	---	---	---	---	---	---	1986
MEAN	---	---	0.289	2.46	0.736	0.268	0.113	0.034	0.033	0.029	---	---	0.487	MEAN

LOCATION - LAT 50 09 07 N DRAINAGE AREA 2 730 km^2
LONG 101 50 00 W NATURAL FLOW

PIPESTONE CREEK ABOVE MOOSOMIN RESERVOIR - STATION NO 05AE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	24.7 ON APR 10	00 ON MAR 1 *	13 900	1980
1981	---	0.0288 ON APR 6	0 ON MAR 1	53.2	1981
1982	---	0.2440 ON APR 17	00 ON MAR 1	278	1982
1983	---	4.65 B ON MAR 25	00 ON MAR 1	5 820	1983
1984	---	7.65 B ON APR 8	00 ON MAR 1	5 780	1984
1985	---	20.8 ON APR 15	00 ON MAR 1	15 400	1985
1986	---	6.74 B ON APR 3	00 ON MAR 1	12 000	1986
1987	---	11.6 B ON APR 10	00 ON MAR 1	10 500	1987
1988	---	1.62 B ON MAR 8	00 ON MAR 1	2 310	1988
1989	---	24.5 B ON APR 12 *	00 ON MAR 1	24 100	1989
1970	---	17.3 B ON APR 11	00 ON MAR 1	24 800	1970
1971	---	8.01 B ON APR 7	00 ON MAR 1	10 800	1971
1972	---	9.91 B ON MAR 23	00 ON MAR 1	15 500	1972
1973	---	0.4080 ON MAR 10	00 ON MAR 1	2 300	1973
1986	---	---	0 ON JUL 3	---	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 300	MEAN

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO 05NE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	0.107	5.48	0.480	0.042	0.102	0.055	0.251	0.556	---	---	0.871	1958
1959	---	---	0.092	0	0	0	0.015	0.100	0.177	0	---	---	0.048	1959
1960	---	---	0.507	5.55	0.222	0.704	0.386	0.218	0.250	1.85	---	---	1.20	1960
1961	---	---	0.322	0.093	0.021	0.001	0	0.030	0.047	0.018	---	---	0.087	1961
1962	---	---	0.041	0.068	0.007	0	0	0	0	0.004	---	---	0.015	1962
1963	---	---	0.015	0.364	0.205	0.521	0.442	0.130	0.187	0.186	---	---	0.240	1963
1964	---	---	0.051	3.22	1.51	0.111	0.074	0	0.009	0.415	---	---	0.889	1964
1965	---	---	0.120	5.07	0.370	0.654	0.197	0.016	0.983	0.346	---	---	1.07	1965
1966	---	---	1.07	6.26	1.21	0.502	0.201	0.029	0.105	0.104	---	---	1.17	1966
1967	---	---	0.482	5.04	1.71	0.076	0.008	0	0.248	0.016	---	---	0.937	1967
1968	---	---	1.01	0.455	0.086	0.040	0	0.134	0.076	0	---	---	0.226	1968
1969	---	---	0.785	18.2	1.02	0.133	2.36	0.063	0.022	0.132	---	---	2.55	1969
1970	---	---	0.172	8.37	5.94	0.807	0.321	0.284	0.475	0.409	---	---	2.19	1970
1971	---	---	0.145	3.97	0.261	0.196	0.452	0.067	0.238	0.125	---	---	0.673	1971
1972	---	---	4.03	5.37	0.488	0.304	0.076	0.164	0.314	0.399	---	---	1.39	1972
1973	---	---	0.159	0.235	0.053	0.143	0.097	0.062	0.281	0.554	---	---	0.195	1973
1974	---	---	0.451	18.8	7.54	1.53	0.217	0.028	0.137	0.461	---	---	3.58	1974
1975	---	---	0.331	11.2	10.0	3.36	0.123	0.198	5.85	3.38	---	---	4.25	1975
1976	---	---	0.540	53.9	4.34	8.59	1.15	0.484	2.06	1.36	---	---	8.90	1976
1977	---	---	0.301	0.735	0.151	0.037	0.002	0	0.637	0.183	---	---	0.251	1977
1978	---	---	0.147	4.40	0.044	0.040	0.031	0.187	0.244	0.293	---	---	0.882	1978
1979	---	---	0.185	9.75	5.86	0.750	0.243	0.068	0.203	0.444	---	---	2.13	1979
1980	---	---	0.133	2.82	0.083	0.148	0.172	0.014	0.080	0.142	---	---	0.418	1980
1981	---	---	0.519	0.153	0.009	0.077	0.012	0.008	0.013	0.187	0.152	---	0.120	1981
1982	---	---	0.014	5.52	0.718	0.084	0.108	0.146	0.128	0.377	---	---	0.875	1982
1983	---	---	0.077	10.7	2.48	0.484	0.043	0.245	0.347	0.012	0.012	0.343	1.78	1983
1984	0.149	0.087	0.053	0.018	0.007	0.004	0.002	0.297	0.187	0.137	---	---	0.089	1984
1985	---	---	0.828	7.20	0.858	0.081	0.024	0.055	0.148	0.255	---	---	1.14	1985
1986	---	---	6.07	1.21	2.32	0.333	0.123	0.089	0.081	0.848	---	---	1.38	1986
MEAN	0.149	0.087	0.848	6.84	1.87	0.574	0.240	0.109	0.485	0.447	0.082	0.343	1.35	MEAN

LOCATION - LAT 50 02 40 N DRAINAGE AREA, 3 850 km²
LONG 101 40 33 W REGULATED

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO 05NE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---				
1959	---	21.3 ON APR 3	0 ON MAY 20 *	18 400	1958
		3.11 ON AUG 26	0 ON MAR 25	1 010	1959
1960	---				
1961	---	22.7 ON APR 11	0 ON MAY 3	25 400	1960
1962	---	0.552 ON APR 5	0 ON MAY 27	1 420	1961
1963	---	0.283E ON MAR 25	0 ON MAR 1	313	1962
1964	---	0.691 ON JUL 8	0 E ON MAR 1	5 080	1963
		10.4 E ON APR 12	0 ON MAY 1	14 200	1964
1965	---				
1966	---	22.0 ON APR 15	0 ON AUG 23	22 700	1965
1967	---	20.0 ON APR 2	0.006 ON AUG 20	24 800	1966
1968	---	16.1 ON APR 12	0 ON APR 8	19 900	1967
1969	---	2.85 ON MAR 19	0 ON MAR 1	4 780	1968
		71.1 ON APR 14	0 E ON MAR 1	54 000	1969
1970	---				
1971	---	31.7 ON MAY 1	0 E ON MAR 1	46 300	1970
1972	---	12.9 ON APR 11	0.037 ON OCT 16	14 200	1971
1973	---	18.7 ON MAR 23	0.057 ON JUL 14	29 300	1972
1974	71.4 AT 04 09 CST ON APR 20	0.980 ON OCT 20	0.006 ON JUL 21	4 130	1973
		70.5 ON APR 20	0.024E ON SEP 3	75 800	1974
1975	46.7 AT 08 42 CST ON APR 28	46.2 ON APR 30	0.113E ON AUG 10	90 000	1975
1976	186 AT 15 55 CST ON APR 10 *	178 ON APR 10 *	0.085E ON JUL 10	189 000	1976
1977	1.58 AT 14 09 CST ON APR 17	1.31 ON APR 17	0 ON JUL 8	5 300	1977
1978	---	11.0 RE ON APR 6	0.003 ON JUN 22	14 000	1978
1979	49.9 E AT 14 41 CST ON APR 24	48.9 RE ON APR 24	0.041R ON SEP 26	45 200	1979
1980	11.1 AT 02 51 CST ON APR 10	9.80 ON APR 9	0.001 ON JUL 9	8 810	1980
1981	---	1.42 ON MAR 1	0.001 ON MAY 31	2 550	1981
1982	26.6 AT 23 32 CST ON APR 17	25.6 ON APR 18	0.012E ON MAR 1	18 500	1982
1983	36.6 AT 03 23 CST ON APR 24	35.7 ON APR 24	0.001 ON SEP 24	37 600	1983
1984	0.871 AT 04 26 CST ON AUG 20	0.834 ON AUG 20	0 ON APR 8	1 880	1984
1985	20.9 AT 04 28 CST ON APR 7	20.5 ON APR 7	0.003E ON MAR 1	24 100	1985
1986	21.0 AT 21 21 CST ON MAR 22	18.1 ON MAR 23	0.043 ON SEP 24	28 900	1986
				28 500	MEAN

E - ESTIMATED
R - REVISED SINCE JAN 1 1985
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO 05LA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	6.75	3.54	---	---	---	---	---	---	---	---	1966
1967	---	---	---	1.84	4.97	---	---	---	---	---	---	---	---	1967
1968	---	---	0.437	1.14	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	4.09	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	3.67	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	5.88	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	5.46	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.856	0.931	1.49	---	---	---	---	---	---	---	1973
1976	---	---	0	7.66	1.48	0.696	0.425	0	0	0	---	---	1.27	1976
1977	---	---	0	1.55	0.576	0.151	0	0	0	0	---	---	0.330	1977
1978	---	---	0.008	3.15	0.597	0.076	0.181	0.125	0.010	0.015	---	---	0.511	1978
1979	---	---	0	7.45	12.4	1.39	0.187	0.041	0	0	---	---	2.88	1979
1980	---	---	0	1.98	0.312	0.002	0	0	0	0	---	---	0.282	1980
1981	---	---	0.066	2.49	0.126	0	0	0	0	0	---	---	0.328	1981
1982	---	---	0	1.24	0.537	0.178	0.029	0	0	0	---	---	0.245	1982
1983	---	---	0	0.982	1.44	0.547	0.105	0.086	0.010	0.032	---	---	0.397	1983
1984	---	---	0	3.75	0.615	0.396	0.024	0	0	0	---	---	0.614	1984
1985	---	---	0	10.2	2.19	0.287	0.001	0	0	0	---	---	1.55	1985
1986	---	---	0.067	5.83	0.215	0	0	0	0	0	---	---	0.749	1986
MEAN	---	---	0.048	3.93	2.37	0.433	0.083	0.023	0.002	0.004	---	---	0.814	MEAN

LOCATION - LAT 52 17 21 N
LONG 103 40 20 W
DRAINAGE AREA 843 km²
REGULATED

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO 05LA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1976	---	17.6 ON APR 15	0B ON MAR 1 *	26 800	1976
1977	7.11 AT 03 55 CST ON APR 15	7.02 ON APR 15	0B ON MAR 1	6 930	1977
1978	---	8.08A ON APR 14	0B ON MAR 1	10 800	1978
1979	44.9 AT 01 51 CST ON APR 29 *	44.1 ON APR 29 *	0B ON MAR 1	55 700	1979
1980	5.23 AT 16 14 CST ON APR 15	5.06 ON APR 15	0B ON MAR 1	5 880	1980
1981	---	5.20E ON APR 3	0B ON MAR 1	6 970	1981
1982	4.59B AT 18 08 CST ON APR 18	4.44B ON APR 18	0B ON MAR 1	5 200	1982
1983	4.93 AT 22 17 CST ON APR 26	4.82 ON APR 26	0B ON MAR 1	8 400	1983
1984	8.07 AT 05 37 CST ON APR 8	8.02 ON APR 8	0B ON MAR 1	13 000	1984
1985	28.0 AT 05 05 CST ON APR 18	27.2 ON APR 18	0B ON MAR 1	32 900	1985
1986	15.0 AT 19 21 CST ON APR 9	14.9 ON APR 9	0B ON MAR 1	15 900	1986
				17 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO 07LD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	5.91	4.73	3.97	4.05	4.49	4.78	4.14	3.87	---	1978
1979	3.55	3.54	3.56	3.72	5.37	4.76	4.34	3.78	3.74	4.01	3.81	3.24	3.95	1979
1980	3.48R	3.64R	3.16R	4.14R	3.76R	2.90R	2.82R	3.05R	2.65R	3.02R	2.38R	1.72R	3.08R	1980
1981	1.95R	1.72R	2.49R	2.61R	5.42R	3.77R	2.89R	2.37R	1.84R	1.74R	1.61R	1.61R	2.64R	1981
1982	1.28R	1.33R	1.18R	1.62R	4.09R	3.93R	3.65R	5.10R	4.11R	2.95R	2.51R	2.40R	2.85R	1982
1983	2.46	2.38	3.31	4.58	5.00	5.26	4.23	3.85	4.57	3.62	2.97	2.14	3.78	1983
1984	2.19	2.47	2.35	4.22	4.37	4.61	3.75	4.25	3.76	3.20	2.76	2.29	3.35	1984
1985	2.45	2.44	2.82	3.35	8.18	4.85	3.49	3.04	3.95	3.83	3.19	2.40	3.64	1985
1986	2.42	2.33	2.50	3.60	6.04	4.48	5.37	5.02	4.07	3.40	2.86	2.69	3.74	1986
MEAN	2.48R	2.48R	2.57R	3.51R	5.48R	4.45R	3.83R	3.83R	3.69R	3.38R	2.94R	2.48R	3.38	MEAN

LOCATION - LAT 58 14 15 N
LONG 106 07 45 W
DRAINAGE AREA 964 km²
NATURAL FLOW

R - REVISED SINCE JAN 1986

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO 07LD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	6.69 AT 16 24 CST ON MAY 8	6.60R ON MAY 8	...	...	1978
1979	6.76 AT 11 22 CST ON MAY 20	6.75R ON MAY 20	3.05 ON DEC 22	126 000	1979
1980	5.74R AT 15 10 CST ON APR 27	5.68R ON APR 27	1.67 R ON DEC 15	95 700R	1980
1981	7.65R AT 15 40 CST ON MAY 10	7.64RA ON MAY 10	1.45 R ON FEB 22	83 400R	1981
1982	6.79R AT 13 6 CST ON AUG 13	6.78R ON AUG 12	0.980R ON MAR 22 *	90 300R	1982
1983	7.46 AT 14 14 CST ON JUN 16	7.30 ON JUN 17	1.84 ON DEC 30	119 000	1983
1984	5.95 AT 22 35 CST ON JUN 5	5.87 ON JUN 5	1.85 ON JAN 1	104 000	1984
1985	10.5 AT 01 09 CST ON MAY 9 *	10.4 ON MAY 8 *	1.81 ON JAN 3	115 000	1985
1986	6.83 AT 16 17 CST ON MAY 11	6.75 ON MAY 13	2.14 ON JAN 14	118 000	1986
				107 000R	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

POLLOCK EAST DITCH NEAR SOUTH FORK - STATION NO 05HD012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	...	...	...	...	...	0.008	0.005	...	...	...	...	...	...	1912
1913	...	...	...	...	0.003	0.038	0.006	...	...	...	...	...	...	1913
1915	...	...	...	...	...	0.035	0.009	...	...	...	...	...	...	1915
1919	...	...	...	...	0.010	0.045	0.006	...	...	...	...	...	...	1919
1920	...	...	...	...	0.010	0.025	0.004	...	...	...	...	...	...	1920
1921	...	...	...	...	...	0.012	0.012	...	...	...	...	...	...	1921
1922	...	...	...	...	...	0.004	0.011	0.001	...	...	...	...	...	1922
1923	...	...	...	...	...	0.004	0.006	0.002	...	...	...	...	...	1923
MEAN	...	...	...	...	0.006	0.019	0.008	0.002	...	...	...	...	...	MEAN

LOCATION - LAT 49 34 35 N
LONG 108 48 27 W REGULATED

POLLOCK WEST DITCH FROM CYPRESS CREEK - STATION NO 05HA051

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	...	...	...	...	...	...	...	...	...	...	...	...	...	1915
1916	...	...	...	0.018	0.027	...	...	...	...	...	...	...	...	1916
1917	...	...	...	...	0.007	0.013	0.006	0.025	...	...	...	...	...	1917
1919	...	...	...	...	...	...	...	...	...	...	...	...	...	1919
MEAN	...	...	...	0.018	0.017	0.013	0.006	0.025	...	...	...	...	...	MEAN

LOCATION - LAT 49 44 02 N
LONG 109 37 55 W REGULATED

POLLOCK WEST DITCH FROM CYPRESS CREEK - STATION NO 05HA051

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	...	...	0 ON JUL 12 *	...	1915
1916	...	...	0 ON APR 1	...	1916
1917	...	...	0 ON MAY 1	...	1917
1919	...	...	0 ON JUN 21	...	1919
				...	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PONASS CREEK NEAR PONASS LAKE - STATION NO 05MA006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	...	...	...	0	0	0	0	0	0	0	...	...	0	1919
1920	...	...	...	0	0	0	0	0	0	0	...	...	0	1920
1921	...	...	...	...	0	0.005	0.025	0.028	0.019	0.021	...	...	...	1921
1922	...	...	...	0.088	0.087	0.080	0.049	0.033	0.025	0.005	...	...	0.060	1922
1923	...	...	...	0.034	0.027	0.029	0.049	0.048	0.025	0.008	...	...	0.031	1923
MEAN	...	...	...	0.031	0.023	0.019	0.025	0.021	0.014	0.007	...	...	0.030	MEAN

LOCATION - LAT 52 11 18 N DRAINAGE AREA, 250 km^2
LONG 103 55 11 W NATURAL FLOW

PONASS CREEK NEAR PONASS LAKE - STATION NO 05MA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0 E ON APR 1	0E ON APR 1 *	0	1919
1920	---	0 E ON APR 1	0E ON APR 1	0	1920
1921	---	---	0 ON APR 28	---	1921
1922	---	0 193 ON MAY 17 *	0B ON APR 1	920	1922
1923	---	0 1228 ON APR 19	0B ON APR 1	583	1923
				376	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO 11AE008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.382	0.230	0.090	0.035	0.047	0.006	0.127	0.045	---	---	0.120	1931
1932	---	---	---	0.521	0.179	0.255	0.001	0.092	0.084	0.142	---	---	---	1932
1933	---	---	2.84	0.513	0.490	0.140	0.007	0.025	0.082	0.089	---	---	0.527	1933
1934	---	---	2.31	0.867	0.125	0.143	0.008	0.002	0.009	0.022	---	---	0.437	1934
1935	---	---	0.588	0.871	0.308	0.470	0.329	0.004	0.005	0.010	---	---	0.322	1935
1936	---	---	1.85	1.79	0.431	0.016	0.002	0	0.002	0.005	0.004	---	0.486	1936
1937	---	---	0.115	0.370	0.137	0.024	0.498	0.010	0.005	0.035	---	---	0.150	1937
1938	---	---	3.81	0.356	0.423	0.162	0.078	0.006	0.009	0.075	---	---	0.620	1938
1939	---	---	8.25	0.312	0.223	1.23	0.086	0.003	0.005	0.007	---	---	1.27	1939
1940	---	---	0.021	1.55	0.480	0.259	0.078	0.549	0.014	0.080	---	---	0.376	1940
1941	---	---	3.36	0.389	0.317	0.450	0.080	0.007	0.021	0.074	---	---	0.591	1941
1942	---	---	0.836	1.10	0.310	0.320	0.121	0.087	0.237	0.149	---	---	0.393	1942
1943	---	---	8.52	3.82	0.254	1.43	0.392	0.264	0.015	0.087	---	---	1.85	1943
1944	---	---	0.189	1.08	0.405	0.485	0.069	0.187	0.055	0.074	---	---	0.313	1944
1945	---	---	2.51	0.244	0.218	0.197	0.041	0.004	0.005	0.036	---	---	0.410	1945
1946	---	---	1.65	0.258	0.104	0.306	0.102	0.002	0.002	0.033	---	---	0.309	1946
1947	---	---	1.35	2.70	0.327	0.698	0.082	0.045	0.048	0.082	---	---	0.861	1947
1948	---	---	1.14	5.18	0.642	0.230	0.036	0.048	0.004	0.029	---	---	0.903	1948
1949	---	---	1.11	0.841	0.251	0.085	0.045	0.014	0.003	0.056	---	---	0.277	1949
1950	---	---	0	6.85	0.702	0.807	0.136	0.024	0.039	0.100	---	---	1.04	1950
1951	---	---	0	2.85	1.34	0.202	0.043	0.015	0.142	0.125	---	---	0.560	1951
1952	---	---	0.005	18.8	0.304	0.094	0.423	0.031	0.068	0.070	---	---	2.55	1952
1953	---	---	1.24	1.25	1.52	2.67	0.867	0.062	0.067	0.108	0.148	---	0.971	1953
1954	---	---	0.924	13.5	0.776	0.887	0.096	0.242	0.434	0.334	0.265	---	2.11	1954
1955	---	---	2.65	7.88	2.11	0.364	0.443	0.098	0.015	0.088	---	---	1.69	1955
1956	---	---	1.34	1.38	0.571	0.305	0.068	0.021	0.014	0.065	---	---	0.489	1956
1957	---	---	0.781	0.475	0.266	0.151	0.015	0.005	0.010	0.060	---	---	0.220	1957
1958	---	---	2.24	2.08	0.189	0.054	0.007	0.003	0.003	0.009	---	---	0.571	1958
1959	---	---	0.499	0.273	0.199	0.155	0.095	0.005	0.041	0.209	---	---	0.185	1959
1960	---	---	8.20	0.464	0.367	0.117	0.056	0.009	0.005	0.007	---	---	1.17	1960
1961	---	---	0.661	0.241	0.197	0.056	0.004	0	0.004	0.008	---	---	0.147	1961
1962	---	---	2.37	2.47	0.238	0.310	0.048	0.017	0.004	0.075	---	---	0.688	1962
1963	---	---	5.28	0.569	0.351	5.40	1.83	0.113	0.034	0.034	---	---	1.71	1963
1964	---	---	0.236	1.10	0.382	0.176	0.074	0.003	0.001	0.005	---	---	0.245	1964
1965	---	---	0	1.09	0.890	0.386	0.077	0.004	0.113	0.085	---	---	0.325	1965
1966	---	---	2.39	0.255	0.540	0.182	0.058	0.005	0.004	0.044	---	---	0.438	1966
1967	---	---	0.409	7.23	0.869	0.355	0.012	0	0.001	0.074	---	---	1.10	1967
1968	---	---	4.51	0.277	0.212	0.073	0.010	0.274	0.073	0.089	---	---	0.696	1968
1969	---	---	0.128	9.84	0.379	0.078	1.43	0.024	0.006	0.080	---	---	1.49	1969
1970	---	---	0.802	3.83	1.70	0.378	0.132	0.004	0.007	0.070	---	---	0.833	1970
1971	---	---	0.541	2.12	0.215	0.135	0.009	0.001	0.003	0.017	---	---	0.376	1971
1972	---	---	5.26	0.331	0.783	0.856	0.192	0.046	0.019	0.091	---	---	0.928	1972
1973	---	---	0.399	0.363	0.294	0.218	0.046	0.002	0.005	0.054	---	---	0.172	1973
1974	---	---	3.66	7.28	0.947	0.181	0.090	0.091	0.056	0.153	---	---	1.54	1974
1975	---	---	0.302	15.6	1.40	0.328	0.059	0.036	0.085	0.134	0.140	---	2.21	1975
1976	---	---	8.47	0.833	0.158	0.460	1.36	0.058	0.007	0.070	---	---	1.45	1976
1977	---	---	0.268	0.314	0.351	0.104	0.054	0.008	0.045	0.186	---	---	0.184	1977
1978	---	---	6.38	2.14	0.724	0.337	0.788	0.007	0.306	0.184	---	---	1.36	1978
1979	---	---	1.27	9.21	1.69	0.288	0.020	0.002	0.003	0.023	---	---	1.54	1979
1980	---	---	0.455	1.35	0.149	0.026	0.011	0.038	0.041	0.081	---	---	0.287	1980
1981	---	1.78	0.285	0.203	0.123	0.209	0.007	0.002	0.001	0.007	---	---	0.104	1981
1982	---	---	0.002	8.04	2.44	0.588	0.094	0.015	0.005	0.102	---	---	1.39	1982
1983	---	---	0.337	0.443	0.431	0.054	0.020	0.002	0.002	0.030	---	---	0.185	1983
1984	---	---	1.61	0.344	0.109	1.18	0.087	0.002	0.003	0.025	---	---	0.415	1984
1985	---	---	1.94	0.483	0.186	0.107	0.003	0.001	0.028	0.171	---	---	0.384	1985
1986	---	---	4.85	0.385	0.688	0.069	0.080	0.003	0.050	0.202	---	---	0.807	1986
MEAN	---	1.78	2.02	2.78	0.544	0.447	0.197	0.047	0.044	0.078	0.139	---	0.772	MEAN

LOCATION - LAT 48 59 25 N
LONG 105 41 46 W
DRAINAGE AREA 927 km^2
NATURAL FLOW
INTERNATIONAL GAUGING STATION

POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	4.90 AT 22:00 MST ON SEP 19	1.90 ON SEP 20	0.003 ON AUG 14	2 540	1931
1932	---	---	0 ON JUN 30 *	---	1932
1933	10.3 B AT 20:00 MST ON MAR 19	10.0 B ON MAR 19	0 ON JUL 28	11 200	1933
1934	5.27 AT 19:30 MST ON APR 3	4.13 ON APR 3	0 ON AUG 3	9 260	1934
1935	46.7 AT 20:00 MST ON JUN 15	4.70 ON APR 15	0 B ON MAR 1	6 820	1935
1936	11.3 ON APR 12	7.33 ON APR 13	0 B ON MAR 1	10 300	1936
1937	29.4 AT 15:00 MST ON JUL 13	3.17 ON JUL 13	0 B ON MAR 1	3 180	1937
1938	21.1 B AT 21:00 MST ON MAR 16	17.6 ON MAR 17	0.003 ON AUG 28	13 100	1938
1939	159 AT 21:00 ON MAR 21	85.1 ON MAR 22	0 ON MAR 1	27 000	1939
1940	28.0 AT 07:00 MST ON AUG 2	12.5 B ON APR 14	0.003 ON JUL 5	7 950	1940
1941	12.0 B AT 14:30 MST ON MAR 26	11.0 B ON MAR 23	0 B ON MAR 1	12 500	1941
1942	11.2 B AT 16:00 MST ON APR 4	5.10 B ON APR 3	0 ON MAR 1	6 330	1942
1943	88.3 AT 04:00 MST ON MAR 30	72.5 ON MAR 30	0.0038 ON MAR 1	39 100	1943
1944	---	8.50 B ON APR 2	0 B ON MAR 1	6 820	1944
1945	---	8.50 B ON MAR 13	0 B ON MAR 1	8 870	1945
1946	---	4.96 B ON MAR 13	0 B ON MAR 1	6 540	1946
1947	12.9 AT 11:30 MST ON APR 12	11.8 ON APR 12	0 B ON MAR 1	14 000	1947
1948	34.3 AT 01:30 MST ON APR 16	23.1 ON APR 15	0 B ON MAR 1	19 100	1948
1949	---	4.96 B ON MAR 27	0 B ON MAR 1	5 860	1949
1950	48.4 AT 03:00 MST ON APR 18	29.7 ON APR 18	0 B ON MAR 1	22 000	1950
1951	13.0 ON APR 28	12.2 ON MAY 1	0 E ON MAR 1	11 800	1951
1952	99.1 AT 24:00 MST ON APR 13	75.9 ON APR 14	0 B ON MAR 1	53 900	1952
1953	21.7 AT 02:00 MST ON JUL 1	12.7 B ON MAR 29	0.0088 ON MAR 1	20 800	1953
1954	380 B AT 20:00 MST ON APR 6 *	142 B ON APR 6 *	0.020 ON JUL 23	44 700	1954
1955	---	43.0 ON APR 3	0.0038 ON MAR 1	35 800	1955
1956	8.178 AT 17:00 MST ON MAR 27	7.50 B ON MAR 27	0 B ON MAR 1	8 930	1956
1957	---	4.53 B ON MAR 23	0.003 ON JUL 26	4 850	1957
1958	45.0 AT 21:30 MST ON MAR 30	36.8 ON MAR 31	0 ON AUG 26	12 100	1958
1959	---	1.70 B ON MAR 22	0 B ON MAR 1	3 920	1959
1960	---	62.3 E ON MAR 21	0 ON MAR 1	24 700	1960
1961	5.328 AT 04:30 MST ON MAR 14	3.96 B ON MAR 14	0 ON AUG 4	3 110	1961
1962	21.4 B AT 15:00 MST ON MAR 29	16.1 B ON MAR 28	0 B ON MAR 1	14 800	1962
1963	210 AT 04:00 MST ON JUN 21	81.6 ON JUN 21	0 B ON MAR 3	36 200	1963
1964	11.3 B AT 19:00 ON MAR 31	9.06 B ON APR 1	0 ON MAR 1	5 170	1964
1965	7.87 AT 11:30 MST ON APR 16	5.89 ON APR 16	0 B ON MAR 1	6 890	1965
1966	14.2 B AT 13:00 MST ON MAR 16	11.3 B ON MAR 15	0 B ON MAR 1	9 270	1966
1967	51.0 B AT 22:00 MST ON APR 8	32.6 B ON APR 9	0 B ON MAR 1	23 300	1967
1968	20.4 B AT 13:15 MST ON MAR 7	17.3 B ON MAR 8	0 ON JUL 21	14 800	1968
1969	76.0 AT 01:00 MST ON APR 6	48.4 ON APR 7	0 B ON MAR 1	31 500	1969
1970	18.3 AT 01:00 MST ON APR 9	14.3 ON APR 8	0.001 ON SEP 5	17 600	1970
1971	---	7.08 B ON MAR 30	0 B ON MAR 1	7 950	1971
1972	102 AT 01:00 MST ON JUN 8	39.8 B ON MAR 15	0 ON MAR 1	19 700	1972
1973	1.988 AT 08:00 MST ON MAR 10	1.13 B ON MAR 11	0 ON MAR 1	3 850	1973
1974	31.1 B ON MAR 30	31.1 B ON MAR 30	0.008 ON JUL 24	32 500	1974
1975	241 AT 00:15 CST ON APR 23	124 ON APR 23	0 B ON MAR 1	46 700	1975
1976	---	52.1 B ON MAR 19	0 B ON MAR 5	30 700	1976
1977	17.4 AT 22:00 CST ON MAY 27	2.32 ON MAY 26	0.006 ON AUG 17	3 470	1977
1978	---	22.9 ON MAR 31	0 B ON MAR 1	28 800	1978
1979	53.2 AT 07:00 CST ON APR 19	45.9 ON APR 19	0 B ON MAR 1	32 700	1979
1980	8.928 AT 11:00 MST ON APR 1	7.67 B ON APR 1	0.0018 ON MAR 1	5 650	1980
1981	---	0.7088 ON MAR 1	0 ON AUG 26	2 200	1981
1982	113 B AT 21:15 CST ON APR 13	62.3 ON APR 13	0 B ON MAR 1	29 500	1982
1983	---	1.70 B ON APR 3	0.001 ON AUG 7	3 480	1983
1984	42.8 AT 14:00 CST ON JUN 21	16.7 ON JUN 21	0.001 ON JUL 20	8 800	1984
1985	8.18 AT 16:30 CST ON MAR 20	5.01 ON MAR 20	0.001 ON JUL 14	7 700	1985
1986	---	25.5 ON MAR 1	0.002 ON AUG 9	17 100	1986
				16 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO. 07LC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	21.4	18.1	---	1973
1974	---	---	---	---	---	---	37.1	55.0	65.5	56.7	49.5	46.5	---	1974
1975	42.7	---	---	---	---	---	85.4	68.2	51.0	44.9	---	---	---	1975
1976	---	---	---	---	---	132	84.8	55.0	49.9	53.5	54.2	44.8	---	1976
1977	39.8	39.0	33.9	43.0	134	194	189	165	159	121	94.8	72.5	108	1977
1978	56.9	46.5	37.8	33.7	73.1	110	89.1	84.0	74.1	73.8	61.0	49.3	66.7	1978
1979	41.2	33.8	28.8	26.5	49.0	110	72.3	47.1	36.3	34.5	33.7	27.5	46.0	1979
1980	22.8	19.0	16.9	26.9	71.4	84.8	58.4	48.7	52.2	58.4	54.1	39.5	44.5	1980
1981	33.3	29.8	28.3	27.2	75.7	103	81.6	66.8	57.0	50.1	45.9	40.9	53.4	1981
1982	35.3	32.2	27.4	25.0	118	147	96.7	71.1	83.4	80.8	57.9	47.4	68.8	1982
1983	44.9	39.0	36.6	33.7	46.3	118	113	107	86.4	94.7	82.5	59.5	72.8	1983
1984	49.9	44.0	36.2	54.5	113	105	86.9	80.2	94.0	76.8	63.3	52.7	71.4	1984
1985	40.8	36.1	36.9	35.0	124	101	83.6	69.2	65.5	84.6	70.4	56.3	63.8	1985
1986	48.6	44.4	39.7	36.8	135	185	119	104	125	95.8	75.4	58.4	89.1	1986
MEAN	41.5	36.4	32.2	34.2	94.1	125	92.1	77.0	77.6	71.2	58.8	47.2	68.4	MEAN

LOCATION - LAT 59 26 40 N
LONG 104 21 40 W
DRAINAGE AREA, 7 300 km^2
NATURAL FLOW

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO 07LC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	224 AT 14:00 CST ON JUN 28	222 ON JUN 27	32.0E ON MAR 21	3 420 000	1977
1978	121 AT 14:52 CST ON JUN 4	120 ON JUN 5	32.0 ON APR 24	2 100 000	1978
1979	125 AT 17:40 CST ON JUN 6	125 ON JUN 5	25.0 ON DEC 29	1 420 000	1979
1980	79.8 AT 18:52 CST ON MAY 10	79.3 ON MAY 12	16.1 ON MAR 23 *	1 410 000	1980
1981	121 AT 16:05 CST ON JUN 2	120 ON JUN 2	26.3 ON APR 19	1 690 000	1981
1982	170 AT 22:44 CST ON JUN 3	169 ON JUN 3	24.3 ON APR 7	2 170 000	1982
1983	153 AT 17:53 CST ON JUN 24	151 ON JUN 24	32.0 ON APR 15	2 300 000	1983
1984	121 AT 15:50 CST ON MAY 2	118 ON MAY 1	33.6 ON MAR 19	2 280 000	1984
1985	160 AT 21:08 CST ON MAY 20	160 ON MAY 20	33.5 ON APR 16	2 010 000	1985
1986	268 AT 19:49 CST ON MAY 28 *	266 ON MAY 28 *	35.9 ON MAY 1	2 810 000	1986
				2 160 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO 05LB010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	1.43	---	---	---	---	---	---	---	---	---	1959
1962	---	---	---	---	3.94	---	---	---	---	---	---	---	---	1962
1963	---	---	---	1.91	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	1.86	---	---	---	---	---	---	---	---	1964
1965	---	---	---	---	4.12	---	---	---	---	---	---	---	---	1965
1967	---	---	---	---	5.56	---	---	---	---	---	---	---	---	1967
1968	---	---	0.010	0.800	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	2.32	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.05	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	3.49	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	---	7.46	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.73	3.31	2.32	0.885	0.071	0.827	0.587	---	---	1.16	1975
1976	---	---	0.034	1.28	0.524	1.36	0.501	0.090	0	0	---	---	0.469	1976
1977	---	---	0.003	0.574	0.758	0.222	0.002	0.010	1.14	0.705	---	---	0.424	1977
1978	---	---	0.042	1.87	3.04	0.897	0.230	1.87	2.44	2.50	---	---	1.61	1978
1979	---	---	0.076	2.45	9.49	4.15	0.317	0.032	0.008	0.385	---	---	2.11	1979
1980	---	---	0.016	1.17	0.158	0.065	0.271	1.40	1.44	1.88	---	---	0.799	1980
1981	---	---	0.238	1.03	0.889	0.183	0.153	0.157	0.170	0.796	---	---	0.453	1981
1982	---	---	0.004	1.48	2.02	3.27	0.243	0.326	0.471	0.495	---	---	1.03	1982
1983	---	---	0.004	0.846	1.75	4.25	5.93	0.335	1.01	0.792	---	---	2.00	1983
1984	---	---	0.028	3.31	5.69	4.08	0.263	0.057	0.118	0.547	---	---	1.88	1984
1985	---	---	0.039	3.26	3.15	3.19	0.714	0.278	0.591	0.583	---	---	1.47	1985
1986	---	---	0	1.04	2.90	0.853	0.594	0.578	0.158	0.282	---	---	0.777	1986
MEAN	---	---	0.038	1.73	3.38	2.05	0.909	0.434	0.881	0.785	---	---	1.18	MEAN

LOCATION - LAT 52 49 01 N DRAINAGE AREA, 324 km^2
LONG 102 59 49 W NATURAL FLOW

REMARKS - STATION LOCATED IN NW32-44-07-W2 FOR THE PERIOD 1959-74

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO 05LB010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	---	5.75 ON APR 30	0 B ON MAR 1 *	24 500	1975
1976	---	5.35 ON JUN 25	0 ON AUG 19	9 910	1976
1977	---	2.50 ON MAY 28	0.001E ON JUL 11	8 880	1977
1978	7.90 AT 10:21 CST ON MAY 7	7.73 ON MAY 7	0.031E ON APR 9	34 100	1978
1979	24.3 AT 09:09 CST ON MAY 18 *	23.0 ON MAY 18 *	0.001E ON AUG 26	44 700	1979
1980	5.398 AT 21:53 CST ON APR 13	4.02 ON AUG 18	0.001 ON JUN 11	16 900	1980
1981	1.98 AT 17:17 CST ON APR 20	1.80 ON APR 29	0.010 ON SEP 23	9 580	1981
1982	15.1 AT 02:04 CST ON JUN 1	14.5 ON MAY 31	0 B ON MAR 1	21 800	1982
1983	17.0 AT 22:38 CST ON JUL 4	16.4 ON JUL 5	0 B ON MAR 1	42 400	1983
1984	21.1 AT 02:02 CST ON MAY 20	20.1 ON MAY 20	0 ON AUG 25	39 800	1984
1985	8.898 AT 20:46 CST ON APR 14	7.16 ON APR 22	0.013E ON MAR 1	31 000	1985
1986	9.20 AT 05:39 CST ON MAY 17	8.25 ON MAY 17	0 B ON MAR 1	16 400	1986
				25 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO 05JG004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	---	---	---	---	1935
1936	---	---	---	---	0.786	0.148	---	---	---	---	---	---	---	1936
1944	---	---	0.006	0.099	0.063	0.083	0.011	0	0	0	---	---	---	1944
1945	---	---	0.003	0.002	0	0	0	0	0	0	---	---	---	1945
1946	---	---	2.87	0.082	0.001	0	0	0	0	0	---	---	---	1946
1947	---	---	0	1.94	0.130	0.013	0.011	0	0	0	---	---	---	1947
1948	---	---	0	5.20	0.711	0.051	0.026	0.006	0	0	---	---	---	1948
1949	---	---	0.009	0.060	0	0	0	0.124	0.001	0	---	---	---	1949
1950	---	---	0.138	8.70	0.908	0.200	0.011	0	0	0	---	---	---	1950
1951	---	---	0	3.40	2.55	0.537	0.388	0.143	0.307	0.178	---	---	---	1951
1952	---	---	0.047	7.74	1.16	0.473	0.142	0.080	0.021	0.005	---	---	---	1952
1953	---	---	1.82	2.46	0.767	0.388	0.029	0.007	0.001	0	---	---	---	1953
1954	---	---	0.024	0.149	0.082	0.170	0.284	0.050	0.184	0.115	---	---	---	1954
1955	---	---	1.17	8.73	4.35	0.224	0.471	0.013	0.141	0.229	---	---	---	1955
1956	---	---	0	9.42	1.33	0.133	0.011	0	0	0.041	---	---	---	1956
1957	---	---	3.39	1.97	0.589	0.145	0.154	0.030	0	0.094	---	---	---	1957
1958	---	---	3.17	3.16	0.118	0.001	0.558	0.248	0.918	1.71	---	---	---	1958
1959	---	---	1.74	0.859	0.030	0.377	1.43	1.80	3.05	0.977	---	---	---	1959
1960	---	---	2.34	9.02	0.312	0.085	0.484	2.22	0.404	0.032	---	---	---	1960
1961	---	---	0.136	0.459	2.47	2.39	2.85	2.58	2.80	0.215	---	---	---	1961
1962	---	---	0.551	0.516	0.013	2.24	2.28	2.30	2.43	0.110	---	---	---	1962
1963	---	---	0.747	1.27	2.71	2.80	2.15	0.261	2.48	1.98	---	---	---	1963
1964	---	---	0	0.293	0.170	0.007	0	2.24	2.48	2.52	2.02	0.077	---	1964
1965	---	---	0	4.36	0.551	0.153	0.018	0	0	0	---	---	---	1965
1966	---	---	1.58	0.193	0.031	0.002	0.011	0.010	0	0	---	---	---	1966
1967	---	---	0	3.36	1.21	0.840	5.06	5.39	5.83	5.71	5.61	4.45	---	1967
1968	4.05	0.620	3.22	2.26	3.01	3.55	3.30	1.48	0.045	0.034	7.00	4.48	2.78	1968
1969	5.54	2.67	0.009	12.2	0.057	0	2.78	1.26	3.80	0.262	2.37	3.10	2.82	1969
1970	2.34	0.775	2.52	7.93	1.04	0.922	0.714	0.436	0.069	0.016	2.40	2.62	1.81	1970
1971	0.962	2.60	0.114	5.25	0.187	0.884	0.136	0.020	0.068	1.28	2.47	1.86	1.28	1971
1972	1.27	1.28	1.14	1.01	4.20	2.27	5.37	4.10	1.84	0.359	3.86	2.21	2.38	1972
1973	1.10	0.128	0.805	5.79	8.36	1.40	4.73	5.08	1.03	2.04	1.71	0.981	2.85	1973
1974	1.00	0.344	0.088	22.8	5.24	0.485	0.029	0.248	0.400	0.053	3.07	2.23	2.98	1974
1975	1.25	0.928	0.051	3.39	0.310	0.830	0.376	1.34	2.41	1.88	1.31	1.24	1.24	1975
1976	1.15	0.322	2.65	4.35	0.118	0.228	0.170	0.257	2.85	1.39	1.86	1.32	1.37	1976
1977	1.11	1.04	1.08	1.39	2.83	3.52	2.35	2.54	3.20	3.39	1.67	1.13	2.08	1977
1978	1.05	0.980	0.515	1.63	0.576	0.634	2.28	3.37	3.78	2.11	1.43	1.13	1.62	1978
1979	0.935	1.01	1.33	3.83	0.519	0.318	0.471	3.08	3.85	1.87	1.36	1.13	1.83	1979
1980	1.10	1.09	1.22	0.927	0.735	5.45	5.85	5.18	3.46	1.88	1.65	1.48	2.50	1980
1981	1.56	1.40	1.04	3.98	9.38	10.6	10.3	7.87	5.09	0.858	0.974	0.953	4.52	1981
1982	0.943	0.988	0.824	13.7	0.770	0.750	1.07	1.29	3.42	2.28	1.82	1.23	2.41	1982
1983	1.18	1.18	1.48	1.38	0.819	2.48	2.83	3.58	3.59	1.59	1.32	1.14	1.87	1983
1984	1.01	1.44	1.50	1.87	4.60	4.68	5.24	8.12	3.69	1.84	1.24	1.08	3.02	1984
1985	1.08	1.03	2.68	4.49	0.273	2.67	4.38	5.15	3.21	1.20	1.25	1.25	2.40	1985
1986	1.21	1.38	3.32	2.00	7.63	5.53	3.99	3.38	3.66	1.84	1.43	1.38	3.05	1986
MEAN	1.57	1.12	1.05	4.04	1.58	1.33	1.66	1.74	1.83	0.897	2.26	1.73	2.34	MEAN

LOCATION - LAT 50 47 00 N
LONG 105 49 31 W
DRAINAGE AREA 2 630 km^2
REGULATED SINCE 1958

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1944	---	0.4615 ON APR 7	0 B ON MAR 1 *	---	1944
1945	---	0.020 ON MAR 30	0 ON MAR 1	---	1945
1946	---	13.7 ON MAR 24	0 ON MAR 1	---	1946
1947	---	9.85 B ON APR 11	0 B ON MAR 1	---	1947
1948	---	22.3 B ON APR 20	0 ON MAR 1	---	1948
1949	---	2.52 ON AUG 24	0 B ON MAR 1	---	1949
1950	---	34.3 ON APR 15	0 B ON MAR 1	---	1950
1951	---	17.1 ON APR 27	0 B ON MAR 1	---	1951
1952	---	17.0 B ON APR 6	0 B ON MAR 1	---	1952
1953	---	19.6 B ON MAR 30	0 B ON MAR 1	---	1953
1954	---	2.80 ON JUL 12	0 B ON MAR 12	---	1954
1955	---	20.6 A ON APR 4	0 B ON MAR 1	---	1955
1956	---	27.3 B ON APR 14	0 B ON MAR 1	---	1956
1957	28.2 B AT 21 00 CST ON MAR 21	25.5 B ON MAR 22	0 B ON MAR 1	---	1957
1958	25.6 B AT 01 00 CST ON MAR 26	23.2 B ON MAR 26	0 ON JUN 6	---	1958
1959	11.2 B AT 18 00 CST ON MAR 23	7.89 B ON MAR 23	0 B ON MAR 1	---	1959
1960	28.3 B AT 16 00 CST ON APR 5	28.1 B ON APR 5	0.011 ON JUL 23	---	1960
1961	3.57 AT 08 00 CST ON JUL 31	3.90 ON JUL 31	0 B ON MAR 1	---	1961
1962	5.078 AT 12 00 CST ON MAR 27	3.77 B ON MAR 27	0 B ON MAR 1	---	1962
1963	6.378 AT 01 00 CST ON MAR 23	6.93 ON JUL 1	0 B ON MAR 1	---	1963
1964	3.20 AT 15 00 CST ON SEP 2	2.89 ON SEP 2	0 B ON MAR 1	---	1964
1965	21.0 B AT 21 30 CST ON APR 11	19.8 B ON APR 11	0 B ON MAR 1	---	1965
1966	13.2 B AT 20 00 CST ON MAR 17	11.0 B ON MAR 17	0 B ON MAR 1	---	1966
1967	11.5 B AT 09 00 CST ON APR 18	11.2 B ON APR 18	0 B ON MAR 1	---	1967
1968	16.1 B AT 02 30 CST ON NOV 21	11.0 B ON NOV 15	0 ON OCT 10	87 100	1968
1969	77.6 AT 19 30 CST ON APR 10	72.8 ON APR 10	0 B ON FEB 2	88 800	1969
1970	38.1 B AT 01 00 CST ON APR 8	36.2 B ON APR 8	0 B ON MAR 4	57 200	1970
1971	27.1 B AT 07 14 CST ON APR 10	24.8 B ON APR 10	0 ON MAY 9	60 300	1971
1972	9.74 AT 07 05 CST ON MAY 24	9.66 ON MAY 24	0 B ON MAR 20	75 500	1972
1973	6.27 AT 15 17 CST ON APR 4	7.96 ON MAY 8	0 B ON FEB 6	83 500	1973
1974	144 AT 21 18 CST ON APR 20 *	107 ON APR 20 *	0.0058 ON FEB 17	93 800	1974
1975	14.6 B AT 01 55 CST ON APR 14	13.3 B ON APR 14	0.002 ON MAY 23	35 000	1975
1976	---	24.6 B ON APR 1	0.011 ON MAY 26	63 400	1976
1977	8.44 AT 17 50 CST ON JUL 29	6.13 ON MAY 26	0.236 ON APR 29	66 000	1977
1978	4.30 AT 17 11 CST ON SEP 10	3.89 ON SEP 10	0.0718 ON MAR 1	51 200	1978
1979	26.0 B AT 06 39 CST ON APR 21	18.5 B ON APR 20	0.0508 ON APR 6	51 600	1979
1980	8.46 AT 15 08 CST ON JUL 1	8.41 ON JUL 1	0.067 ON APR 25	75 100	1980
1981	15.4 AT 05 32 CST ON JUL 21	13.1 ON JUL 21	0.0360 ON OCT 27	143 000	1981
1982	83.6 B AT 07 30 CST ON APR 14	75.6 B ON APR 14	0.032 ON JUN 25	76 800	1982
1983	13.4 B AT 20 57 CST ON MAR 31	12.3 B ON MAR 31	0.085 ON MAY 7	59 100	1983
1984	9.48 AT 08 42 CST ON JUL 31	9.20 ON JUL 31	0.2940 ON MAR 18	85 400	1984
1985	28.6 AT 01 41 CST ON APR 3	26.2 ON APR 3	0.074 ON MAY 22	75 500	1985
1986	14.5 B AT 21 11 CST ON MAR 1	12.8 B ON MAR 2	0.5660 ON NOV 9	85 300	1986
				73 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER ABOVE EYEBROW LAKE - STATION NO. 05JC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	1.16	0.457	0.062	0.033	1.26	0.012	1.84	0.857	---	---	---	1956
1959	---	---	0.674	0.115	0.425	1.13	2.46	3.45	2.14	0.336	---	---	---	1959
MEAN	---	---	0.917	0.286	0.234	0.582	1.90	1.73	2.04	0.616	---	---	---	MEAN

LOCATION - LAT. 50 56 50 N, LONG 104 17 15 W DRAINAGE AREA 544 km^2, REGULATED

QU'APPELLE RIVER ABOVE EYEBROW LAKE - STATION NO. 05JC010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	8.708 ON MAR 26 *	0 B ON MAR 16 *	---	1956
1959	---	5.830 ON MAR 24	0.0280 ON MAR 1	---	1959
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	...	...	5.94	40.8	45.6	35.6	25.0	14.0	6.31	4.13	2.44	4.48	26.7	1956
1957	6.65	6.30	6.51	25.8	24.0	10.7	2.88	2.19	1.35	3.77	1.10	0.171	9.60	1957
1958	0.044	0.012	1.34	0.38	1.80	0.037	0.015	0.061	0.077	0.016	0.215	0.025	1.56	1958
1959	0	0.065	0.407	1.88	0.349	0.217	0.385	0.013	0.048	0.177	0.061	0.030	0.389	1959
1960	0.052	0.063	0.075	15.9	7.95	2.80	1.80	0.210	0.067	0.033	0.020	0.017	3.44	1960
1961	0.021	0.019	2.72	1.16	0.235	0.029	0.002	0	0	0.006	0.023	0.028	0.526	1961
1962	0.053	0.031	0.034	5.72	0.318	1.23	0.027	0.010	0.007	0.034	0.026	0.051	0.904	1962
1963	...	...	...	0.168	0.134	0.164	0.982	2.03	0.522	0.076	0.085	0.058	...	1963
1964	0.035	0.024	0.021	5.95	2.92	0.676	0.146	0.038	0.043	0.036	0.083	0.111	1.20	1964
1965	0.100	0.083	0.087	3.91	0.888	2.56	2.63	1.23	0.450	0.427	0.198	0.072	1.54	1965
1966	0.026	0.023	0.322	7.84	3.65	0.855	1.23	0.233	0.016	0.030	0.061	0.042	1.83	1966
1967	0.061	0.040	0.061	11.6	10.4	2.85	0.342	0.007	0	0.026	0.111	0.603	3.14	1967
1968	1.56	1.60	4.61	4.69	1.88	0.679	0.065	0.920	2.42	0.739	1.18	0.886	1.88	1968
1969	0.528	0.461	1.16	26.5	27.3	16.9	7.84	2.42	2.64	4.03	2.80	4.00	11.3	1969
1970	2.43	3.16	2.86	18.8	27.5	26.0	17.6	7.81	3.94	7.23	6.76	5.81	14.1	1970
1971	4.37	3.41	5.99	36.5	22.6	7.50	1.65	0.535	0.863	3.95	4.80	5.80	11.1	1971
1972	3.76	4.16	10.8	15.0	6.89	0.850	0.182	1.46	1.63	2.17	3.61	4.88	4.68	1972
1973	...	...	3.61	2.84	2.76	2.99	3.07	1.16	0.076	0.469	...	...	2.38	1973
1974	...	...	2.33	22.1	46.4	46.7	31.2	24.6	22.1	16.0	...	...	26.6	1974
1975	...	...	3.17	31.1	54.5	31.4	16.0	13.8	13.0	11.9	...	...	22.7	1975
1976	...	...	5.16	82.6	46.8	22.1	21.7	16.4	9.86	9.48	...	...	27.3	1976
1977	...	...	3.04	3.29	3.32	7.60	...	...	...	...	...	...	...	1977
1978	...	...	1.06	6.39	6.73	2.73	1.27	0.230	0.076	0.178	...	...	2.21	1978
1979	...	...	1.13	20.2	31.2	19.6	6.11	1.88	1.77	2.23	...	...	11.6	1979
1980	...	...	2.28	16.0	2.18	0.487	0.581	0.880	0.456	1.80	...	...	3.08	1980
1981	...	...	2.80	1.02	0.807	1.16	4.37	0.812	1.68	1.88	...	...	1.80	1981
1982	...	...	0.884	25.8	28.1	11.8	3.31	2.47	3.65	7.76	...	...	10.2	1982
1983	...	...	7.28	32.8	16.7	7.16	13.8	5.11	4.00	6.81	...	...	10.7	1983
1984	...	...	5.44	3.55	1.50	1.47	1.54	0.380	0.888	1.44	...	...	2.03	1984
1985	...	...	7.80	16.9	2.61	4.47	2.73	2.41	3.80	6.31	...	...	5.88	1985
1986	...	...	6.81	2.87	3.92	0.615	0.830	0.266	0.215	1.11	...	...	2.19	1986
MEAN	1.23	1.17	3.29	16.9	15.6	8.63	5.78	3.65	2.70	3.21	1.37	1.98	7.83	MEAN

LOCATION - LAT 50 38 20 N DRAINAGE AREA 46 100 km²
LONG 102 55 03 W REGULATED

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	...	131 B ON APR 17	2.00 ON OCT 30	585 000	1956
1957	...	31.7 ON APR 27	0.063 ON SEP 28	203 000	1957
1958	...	15.7 B ON APR 3	0 ON JUN 16 *	33 000	1958
1959	7.35 AT 01:00 CST ON APR 6	6.33 ON APR 6	0 ON MAR 10	6 230	1959
1960	...	28.1 ON APR 11	0.018 ON MAR 6	72 800	1960
1961	17.0 AT 01:00 CST ON MAR 28	15.9 ON MAR 30	0 ON JUL 11	11 100	1961
1962	20.3 AT 03:00 CST ON APR 11	20.0 ON APR 11	0 ON OCT 1	19 100	1962
1963	...	...	...	...	1963
1964	...	15.9 B ON APR 8	0.011 ON AUG 30	25 400	1964
1965	19.2 AT 23:00 CST ON APR 13	18.6 ON APR 14	0.078 ON MAR 1	32 500	1965
1966	...	18.0 B ON APR 7	0.005 ON SEP 16	38 400	1966
1967	...	23.3 B ON APR 18	0 ON AUG 25	66 400	1967
1968	...	16.0 B ON MAR 31	0.037 ON JUL 30	42 200	1968
1969	89.5 AT 02:30 CST ON APR 13	66.1 ON APR 13	0.043 ON SEP 6	239 000	1969
1970	67.6 AT 18:17 CST ON APR 12	46.7 ON APR 13	1.81 ON SEP 14	298 000	1970
1971	69.5 AT 10:16 CST ON APR 11	66.9 ON APR 11	0.288 ON SEP 26	235 000	1971
1972	...	25.2 B ON MAR 25	0.0142 ON JUL 18	103 000	1972
1973	10.9 AT 15:42 CST ON JUL 6	10.7 ON JUL 6	0.108 ON OCT 2	50 000	1973
1974	120 AT 00:00 CST ON APR 21	102 ON APR 21	1.80 B ON MAR 14	561 000	1974
1975	95.1 AT 17:46 CST ON APR 30	86.0 ON MAY 2	4.80 B ON MAR 25	481 000	1975
1976	218 AT 15:02 CST ON APR 10 *	206 ON APR 10 *	4.00 B ON MAR 16	575 000	1976
1977	5.380 AT 17:33 CST ON APR 11	4.70 ON MAY 10	...	...	1977
1978	16.2 B AT 19:46 CST ON APR 7	16.0 B ON APR 7	0.010 ON SEP 11	49 000	1978
1979	...	103 B ON APR 23	0.305 ON OCT 16	240 000	1979
1980	54.5 AT 15:00 CST ON APR 8	53.2 ON APR 8	0.243 ON JUN 21	84 700	1980
1981	17.6 AT 19:00 CST ON JUL 16	16.2 ON JUL 16	0.271 ON AUG 26	35 800	1981
1982	106 AT 16:20 CST ON APR 16	86.8 ON APR 17	0.4880 ON MAR 8	219 000	1982
1983	86.7 AT 07:51 CST ON APR 23	57.6 ON APR 23	2.95 ON SEP 7	226 000	1983
1984	6.600 AT 08:06 CST ON MAR 30	6.560 ON MAR 30	0.001 ON SEP 6	43 100	1984
1985	37.3 B AT 07:00 CST ON APR 3	35.6 B ON APR 2	0.830 ON AUG 3	179 000	1985
1986	...	16.0 B ON MAR 28	0.050 ON AUG 28	65 300	1986
MEAN				186 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

QU'APPELLE RIVER AT MARIEVAL - STATION NO. 05JM011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	...	...	...	...	60.4	37.0	26.9	17.4	6.64	5.69	...	...	...	1986
MEAN	...	...	...	...	60.4	27.0	26.9	17.4	6.62	5.69	...	...	...	MEAN

LOCATION - LAT 50 26 50 N DRAINAGE AREA 46 100 km²
LONG 102 38 40 W REGULATED

DATA CONTRIBUTED BY -
PRAIRIE FARM REHABILITATION ADMINISTRATION

QU'APPELLE RIVER AT TANTALLON - STATION NO. 05JM001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	0.667	0.670	---	---	---	---	1919
1920	---	---	0.615	15.0	12.1	8.71	4.21	1.66	0.852	0.652	---	---	---	1920
1921	---	---	---	10.5	8.10	6.16	3.61	1.65	1.72	3.65	2.03	---	---	1921
1922	---	---	---	31.4	51.4	31.5	15.5	10.4	8.86	6.61	5.61	---	---	1922
1923	---	---	---	---	60.7	30.8	---	---	---	---	---	---	---	1923
1924	---	---	---	---	16.6	14.1	7.35	3.75	2.00	3.65	---	---	---	1924
1925	---	---	---	65.3	32.6	15.9	7.05	3.85	3.32	2.67	---	---	---	1925
1926	---	---	---	5.36	6.00	4.82	2.15	0.384	0.862	1.16	---	---	---	1926
1927	---	---	---	---	63.3	30.7	16.6	10.6	10.7	10.7	---	---	---	1927
1928	---	---	---	25.2	22.7	20.6	15.7	5.66	3.92	2.67	---	---	---	1928
1929	---	---	---	---	4.02	4.05	1.15	0.195	0.136	0.215	---	---	---	1929
1930	---	---	---	---	6.66	4.63	2.61	0.551	0.262	0.200	---	---	---	1930
1931	---	---	---	---	2.16	0.862	0.247	0.246	---	---	---	---	---	1931
1932	---	---	---	---	---	---	0.357	4.67	3.19	---	---	---	---	1932
1933	---	---	---	25.6	23.8	12.6	5.67	1.64	1.60	0.555	---	---	---	1933
1934	---	---	---	2.24	1.61	0.65	1.13	0.627	1.05	0.765	---	---	---	1934
1935	---	---	---	1.52	1.66	0.835	1.25	0.273	1.24	0.667	---	---	---	1935
1936	---	---	---	5.16	1.57	0.731	4.21	0.228	0.575	0.475	---	---	---	1936
1937	---	---	---	22.0	20.6	16.3	11.1	0.626	1.62	0.935	---	---	---	1937
1938	---	---	---	14.6	28.1	17.6	6.37	0.619	0.166	0.160	---	---	---	1938
1939	---	---	---	2.06	0.305	1.04	0.260	0.206	0.260	0.113	0.065	---	---	1939
1940	---	---	---	6.66	6.01	2.76	2.51	1.16	0.370	0.175	0.606	0.516	---	1940
1941	0.675	0.303	0.662	8.77	16.2	7.73	4.45	2.634	0.578	0.860	0.717	0.781	3.15	1941
1942	0.888	0.695	0.867	15.2	6.65	2.92	1.36	0.360	0.578	0.508	0.567	0.356	2.56	1942
1943	0.320	0.455	1.12	24.5	13.6	17.5	13.7	6.67	4.16	2.62	1.60	2.61	7.55	1943
1944	1.54	1.64	2.52	12.3	15.0	30.7	65.6	25.5	15.5	10.5	12.6	8.73	16.6	1944
1945	7.06	6.66	6.75	61.5	135	65.0	66.2	26.6	26.6	22.3	15.3	8.66	37.5	1945
1946	8.15	7.86	8.66	58.6	86.7	64.1	34.5	21.8	14.3	7.83	6.16	5.85	24.8	1946
1947	4.60	3.86	6.86	32.3	29.5	15.1	2.87	1.85	2.66	4.30	3.80	1.85	9.35	1947
1948	0.334	0.228	0.663	2.70	6.01	0.277	0.557	0.236	0.316	0.326	0.305	0.626	1.02	1948
1949	0.614	0	1.66	6.662	0.625	0.586	0.196	0.064	0.677	0.265	0.339	0.383	0.371	1949
1950	0.205	0.232	0.566	15.6	13.0	7.83	1.27	0.566	0.136	0.657	0.206	0.173	3.21	1950
1951	0.202	0.022	0.078	0.604	0.705	0.381	0.017	0	0	0	0	0	0.196	1951
1952	0	0	0	1.06	0.662	1.52	0.603	0.120	0.007	0	0	0	0.366	1952
1953	0	0	0.026	1.26	1.55	6.31	4.36	3.12	2.16	1.35	0.606	0.576	1.60	1953
1954	0	0	0	6.20	7.66	1.66	0.556	0.167	0.167	0.053	0.111	0.010	1.36	1954
1955	0	0	0	12.0	2.71	3.70	3.62	0.766	0.573	0.566	0.337	0.232	3.02	1955
1956	0.121	0.052	1.63	21.6	5.36	2.65	1.62	0.502	0.135	0.165	0.225	0.100	2.65	1956
1957	0.070	0.064	0.272	15.2	19.0	5.82	0.351	0.139	0.062	0.206	2.66	1.75	3.61	1957
1958	0.332	0.500	2.71	16.1	1.71	0.912	0.316	0.776	0.306	0.155	0.646	0.760	1.61	1958
1959	1.35	1.76	2.16	21.8	30.2	13.6	13.8	1.80	2.66	5.66	5.66	6.65	9.56	1959
1960	3.56	3.66	3.66	16.5	27.0	25.2	21.6	13.6	3.66	8.20	10.1	6.27	13.3	1960
1961	4.02	3.10	5.11	26.2	35.6	19.2	7.61	0.830	2.13	5.55	5.16	6.65	9.56	1961
1962	6.02	6.66	7.66	23.3	6.65	2.06	0.835	1.65	2.13	3.00	2.61	6.00	6.17	1962
1963	6.06	3.23	3.66	1.62	1.53	3.66	3.66	1.67	0.770	1.60	1.76	2.62	2.67	1963
1964	3.05	3.06	2.65	21.0	66.1	60.5	33.3	26.1	23.5	20.7	16.5	11.6	26.6	1964
MEAN	2.00	1.77	2.62	17.3	19.5	12.1	8.65	4.67	3.26	3.26	3.54	2.63	7.75	MEAN

LOCATION - LAT. 50 31 55 N. DRAINAGE AREA 48 200 km²
LONG. 101 50 30 W. REGULATED

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1919	...	...	...	...	1919
1920	...	...	...	...	1920
1921	...	...	...	...	1921
1922	...	55.6 ON MAY 13	...	...	1922
1923	...	...	...	...	1923
1924	...	...	...	...	1924
1925	...	...	...	...	1925
1926	...	...	...	...	1926
1927	...	...	...	...	1927
1928	...	...	...	...	1928
1929	...	...	...	...	1929
1930	...	...	...	...	1930
1931	...	...	0 ON JUL 22 *	...	1931
1942	...	...	...	...	1942
1943	...	35.4 ON APR 22	...	...	1943
1944	...	6.038 ON APR 9	0 B ON APR 1	...	1944
1945	...	4.70 ON APR 27	...	...	1945
1946	...	31.4 E ON JUL 11	...	...	1946
1947	...	39.6 ON APR 30	...	...	1947
1948	...	62.0 ON MAY 7	...	...	1948
1949	...	6.808 ON APR 6	...	...	1949
1950	...	21.8 B ON APR 18	...	...	1950
1951	...	16.4 ON MAY 4	0.285 ON AUG 20	99 300	1951
1952	...	19.1 B ON APR 7	0.113 ON AUG 18	61 800	1952
1953	...	32.6 ON APR 22	0.2839 ON JAN 10	238 000	1953
1954	...	75.0 ON JUL 21	1.27 B ON JAN 28	595 000	1954
1955	...	240 ON MAY 10 *	6.09 B ON FEB 10	1 180 000	1955
1956	...	157 ON APR 24	3.11 B ON DEC 17	783 000	1956
1957	...	37.4 ON APR 17	0.8768 ON DEC 31	295 000	1957
1958	...	10.4 ON MAY 3	0 B ON DEC 17	32 000	1958
1959	...	3.37 ON JUN 16	0 B ON JAN 1	11 700	1959
1960	[illegible] CST ON APR 8	26.2 ON APR 20	0 E ON OCT 28	105 000	1960
1961	...	1.318 ON APR 11	0 B ON FEB 15	6 100	1961
1962	...	2.53A ON JUN 16	0 A ON JAN 1	11 000	1962
1963	[illegible] CST ON JUN 25	8.21 ON JUN 25	0 B ON JAN 1	50 600	1963
1964	...	14.2 B ON APR 11	0 B ON JAN 1	43 800	1964
1965	...	28.9 ON APR 13	0 ON JAN 1	63 600	1965
1966	...	26.7 B ON APR 3	0.0288 ON FEB 23	89 600	1966
1967	...	25.9 ON MAY 1	0.003 ON SEP 10	120 000	1967
1968	...	15.3 A ON APR 12	0.062 ON SEP 24	50 900	1968
1969	[illegible] CST ON APR 27	41.9 ON APR 27	0.7388 ON JAN 1	302 000	1969
1970	[illegible] CST ON APR 30	30.3 ON APR 30	3.11 ON SEP 11	389 000	1970
1971	[illegible] CST ON APR 26	42.5 ON APR 26	0.450 ON SEP 4	301 000	1971
1972	...	37.4 B ON APR 12	0.391 ON JUL 21	163 000	1972
1973	...	6.958 ON JAN 4	0.362 ON SEP 20	84 400	1973
1974	[illegible] CST ON MAY 23 *	83.3 ON MAY 23	2.29 B ON MAR 26	769 000	1974
				244 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)   B - ICE CONDITIONS   E - ESTIMATED   * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW CRAVEN DAM - STATION NO 05JK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	---	---	---	---	---	0.030	0.017	---	1926
1927	0.017	0.024	0.281	26.3	15.8	14.7	7.16	4.20	1.95	---	---	---	---	1927
1944	---	---	---	0.578	0.006	0.008	0.012	0.020	0.070	0.003	---	---	---	1944
1945	---	---	0.006	0.200	0.014	0	0.001	0.005	0.005	0.006	---	---	---	1945
1946	---	---	0.665	0.143	0.211	0.482	0.136	0.013	0.385	0.023	---	---	---	1946
1947	---	---	0.057	19.7	2.55	0.155	0.031	0.496	0.016	0.012	---	---	---	1947
1948	---	---	0	11.0	18.3	0.856	0.160	0.217	0.132	0.172	---	---	---	1948
1949	---	---	0.015	1.97	0.534	0.363	0.102	0.074	0.035	0.021	---	---	---	1949
1950	---	---	0.079	3.69	0.372	0.004	0.031	0.008	0.001	0.021	---	---	---	1950
1951	---	---	0	8.74	7.90	0.536	0.253	0.282	0.098	0.040	---	---	---	1951
1952	---	---	0.008	5.13	0.108	0.013	0.226	0.136	0.022	0.003	---	---	---	1952
1953	---	---	0.062	0.630	0	2.38	4.16	0.283	0.039	0.130	---	---	---	1953
1954	---	---	0.202	0.332	0.384	4.12	4.82	5.47	5.89	5.84	---	---	---	1954
1955	4.97	5.15	5.30	21.4	41.6	36.2	30.3	23.2	16.8	13.6	11.6	7.99	16.2	1955
1956	5.60	4.98	5.30	28.1	26.9	23.9	30.7	4.80	1.62	0.807	5.85	5.49	11.4	1956
1957	5.66	5.50	10.1	20.1	13.7	2.46	0.668	0.413	0.975	1.16	0.893	0.462	5.26	1957
1958	0.287	0.346	1.58	5.25	0.712	0.953	0.497	0.193	0.081	0.337	0.090	0.057	0.861	1958
1959	0.057	0.057	0.331	6.30	0.341	0.651	0.725	0.048	0.118	0.116	0.099	0.085	0.726	1959
1960	0.081	0.091	0.773	13.4	1.35	2.51	3.59	1.45	0.156	0.280	0.585	0.458	2.05	1960
1961	0.335	0.245	1.10	4.87	0.541	0.183	0.163	0.130	0.091	0.069	0.053	0.116	0.852	1961
1962	0.075	0.041	0.210	2.52	0.062	0.050	0.164	0.151	0.026	0.021	0.048	0.101	0.292	1962
1963	0.098	0.059	0.183	1.65	0.351	0.888	2.36	0.771	0.335	0.458	0.806	0.272	0.863	1963
1964	0.155	0.331	0.287	1.19	0.988	0.426	0.572	0.133	0.125	0.113	0.151	0.173	0.379	1964
1965	0.148	0.157	0.216	2.47	0.644	2.61	0.383	0.305	0.185	0.048	0.083	0.564	0.647	1965
1966	0.825	0.529	1.85	1.43	0.155	0.583	0.419	0.274	0.197	0.288	0.045	0.052	0.554	1966
1967	0.055	0.042	0.034	13.2	0.956	0.286	0.265	0.291	0.403	2.58	3.91	3.21	2.09	1967
1968	2.56	3.30	3.21	0.154	1.08	1.08	0.881	1.07	0.189	0.082	0.352	0.389	1.18	1968
1969	0.482	1.42	0.410	33.3	17.1	4.65	4.08	2.91	2.19	4.40	4.16	3.37	5.89	1969
1970	3.80	3.08	3.05	23.0	27.2	18.4	5.18	4.01	6.26	7.44	7.91	4.20	9.29	1970
1971	3.88	3.71	4.01	36.4	7.36	0.133	0.196	2.02	1.76	7.69	7.31	5.63	6.48	1971
1972	4.24	3.72	4.91	6.82	0.306	1.40	2.67	3.02	2.90	2.57	2.82	1.93	3.07	1972
1973	1.32	1.86	2.46	3.39	2.93	3.36	2.26	1.97	1.40	2.41	2.80	2.83	2.47	1973
1974	1.84	1.27	1.31	48.1	48.1	36.8	36.7	33.2	18.5	15.0	14.0	10.5	20.7	1974
1975	7.80	5.71	5.17	18.0	37.0	20.1	16.6	13.1	13.1	9.66	7.07	4.95	13.1	1975
1976	3.06	3.70	6.54	89.4	21.3	20.6	17.3	13.5	11.6	9.63	6.53	4.00	14.7	1976
1977	2.33	2.21	2.21	0.468	1.67	2.07	1.65	1.26	0.954	1.10	1.48	1.50	1.56	1977
1978	0.963	0.884	1.35	3.65	0.895	0.453	0.518	0.349	0.214	0.085	1.84	1.64	1.08	1978
1979	1.05	1.20	2.74	14.8	23.9	10.2	3.79	3.16	3.16	4.99	6.06	3.92	6.59	1979
1980	2.89	1.76	1.98	2.42	0.333	1.24	2.23	2.43	1.77	1.79	1.82	1.13	1.76	1980
1981	1.21	1.76	1.67	2.70	2.91	2.97	2.56	1.26	0.864	1.06	1.49	1.45	1.81	1981
1982	1.23	0.920	1.10	27.7	13.5	2.62	3.62	3.33	3.48	10.2	10.2	7.55	7.15	1982
1983	6.31	5.95	5.60	16.5	6.77	2.40	4.74	5.02	5.45	5.30	5.86	4.74	5.26	1983
1984	3.73	4.36	4.80	4.06	3.32	3.41	2.80	2.38	1.43	1.13	0.721	0.870	2.73	1984
1985	0.673	0.677	2.48	1.62	3.58	4.16	3.61	4.08	3.56	3.94	3.98	3.01	2.97	1985
1986	3.63	3.93	1.96	1.42	3.18	2.06	1.53	0.881	0.686	0.907	1.18	3.86	2.00	1986
MEAN	2.18	1.97	2.01	11.6	8.26	5.30	4.12	3.00	2.61	2.88	3.37	2.80	4.86	MEAN

LOCATION - LAT 50 42 20 N
LONG 104 47 50 W

DRAINAGE AREA 33 700 km²
REGULATED

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	---	---	1926
1927	---	35.5 ON APR 16	---	---	1927
1944	---	---	0 ON MAY 12 *	---	1944
1945	---	---	0 0 ON MAR 1	---	1945
1946	---	4.618 ON MAR 25	---	---	1946
1947	---	25.4 ON APR 11	---	---	1947
1948	---	37.9 ON MAY 1	0 0 ON MAR 1	---	1948
1949	---	5.95 ON MAY 31	0 0 ON MAR 1	---	1949
1950	---	13.3 0 ON APR 16	0 0 ON MAR 1	---	1950
1951	---	13.1 0 ON APR 22	0 0 ON MAR 1	---	1951
1952	---	22.5 0 ON APR 5	0 0 ON MAR 1	---	1952
1953	---	11.5 0 ON MAR 31	0 0 ON MAR 1	---	1953
1954	---	---	---	---	1954
1955	---	65.0 ON MAY 6	4.76 0 ON JAN 1	575 000	1955
1956	---	68.7 ON APR 22	0.505 ON OCT 31	361 000	1956
1957	---	23.0 0 ON APR 6	0.2630 ON DEC 31	196 000	1957
1958	---	10.3 ON APR 7	0.014 ON SEP 16	27 200	1958
1959	---	16.4 ON APR 26	0.023 ON AUG 16	23 000	1959
1960	---	25.6 ON APR 6	0.046 ON OCT 24	64 700	1960
1961	13.5 AT 07 00 CST ON APR 15	12.9 ON APR 11	0.0258 ON NOV 5	26 600	1961
1962	11.4 AT 08 30 CST ON APR 29	11.2 ON APR 26	0 ON OCT 3	9 210	1962
1963	10.0 AT 10 00 CST ON APR 11	9.51 ON APR 11	0.0468 ON FEB 8	20 800	1963
1964	---	10.9 ON APR 30	0.065 ON OCT 28	12 000	1964
1965	---	13.2 0 ON APR 16	0 ON NOV 2	20 400	1965
1966	9.578 AT 09 30 CST ON MAR 31	9.600 ON MAR 31	0.031 ON NOV 6	17 500	1966
1967	30.3 AT 12 00 CST ON APR 19	30.3 ON APR 20	0.0118 ON MAR 10	65 800	1967
1968	10.1 AT 08 00 CST ON MAR 7	6.95 ON MAR 7	0.042 ON OCT 8	37 600	1968
1969	84.7 AT 01 00 CST ON APR 17	62.1 ON APR 17	0.0370 ON MAR 25	211 000	1969
1970	26.2 AT 00 30 CST ON APR 12	24.6 ON APR 12	0.1878 ON APR 6	263 000	1970
1971	65.1 AT 21 23 CST ON APR 14	64.3 ON APR 14	0.051 ON JUL 13	205 000	1971
1972	12.7 AT 10 32 CST ON APR 13	12.5 ON APR 13	0.130 ON MAY 6	57 200	1972
1973	7.50 AT 01 15 CST ON APR 15	7.14 ON APR 15	0.167 ON APR 20	77 800	1973
1974	142 AT 05 46 CST ON APR 24 *	141 ON APR 24 *	0.1788 ON FEB 14	653 000	1974
1975	53.5 AT 15 47 CST ON MAY 2	52.2 ON MAY 3	3.37 0 ON APR 6	416 000	1975
1976	90.6 AT 10 37 CST ON APR 8	88.8 ON APR 8	2.21 0 ON FEB 2	466 000	1976
1977	6.66 AT 11 40 CST ON MAY 30	5.68 ON MAR 15	0.026 ON MAY 6	45 300	1977
1978	17.1 0 AT 05 37 CST ON APR 9	16.5 0 ON APR 9	0.040 ON OCT 26	34 000	1978
1979	36.3 AT 09 30 CST ON APR 26	36.3 ON APR 26	0.1628 ON FEB 14	206 000	1979
1980	8.348 AT 12 00 CST ON APR 7	7.488 ON APR 7	0.293 ON MAY 6	55 400	1980
1981	6.65 AT 08 50 CST ON APR 3	5.76 ON APR 3	0.426 ON OCT 5	51 200	1981
1982	63.0 AT 14 49 CST ON APR 22	63.1 ON APR 22	0.4400 ON MAR 27	226 000	1982
1983	20.1 AT 09 34 CST ON APR 26	18.9 ON APR 17	1.21 ON JUN 6	201 000	1983
1984	5.728 AT 13 03 CST ON MAR 20	5.618 ON MAR 20	0.5618 ON DEC 21	86 300	1984
1985	9.759 AT 05 01 CST ON MAR 21	8.129 ON MAR 20	0.2048 ON FEB 2	83 600	1985
1986	7.35 AT 11 43 CST ON SEP 2	6.038 ON MAR 4	0.031 ON SEP 28	83 100	1986
				153 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW DIEFENBAKER LAKE - STATION NO 05JG011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0.015	0.186	1.88	2.32	2.50	2.17	2.85	0.085	---	---	1.67	1961
1962	---	---	0.010	0.076	0.061	2.26	2.63	2.33	2.37	0.089	---	---	1.20	1962
1963	---	---	0.583	0.780	1.84	2.36	2.12	0.780	2.36	1.70	---	---	1.90	1963
MEAN	---	---	0.195	0.347	1.25	2.31	2.35	1.80	2.45	0.611	---	---	1.39	MEAN

LOCATION - LAT 50 54 20 N ORDINARY AREA 1 550 km^2
LONG 105 08 00 W REGULATED

QU'APPELLE RIVER BELOW DIEFENBAKER LAKE - STATION NO 05JG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	3.03 ON SEP 18	0.0 ON MAR *	31 000	1961
1962	---	2.93 ON JUL 16	0.0 ON MAR	24 300	1962
1963	---	6.13 ON MAR 26 *	0.0 ON MAR	31 700	1963
				29 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	17.3	44.8	40.0	25.0	20.4	---	---	---	---	---	1955
1956	---	---	---	22.9	48.7	36.8	22.2	16.2	6.59	1.81	---	---	---	1956
1966	---	---	---	---	---	---	---	---	0.000	0.002	---	---	---	1966
1967	---	---	0	2.81	12.4	2.08	0.375	0.050	0.009	0.035	0.275	1.42	---	1967
1968	1.67	1.85	5.10	1.53	0.876	0.358	0.844	1.48	1.64	0.456	0.868	0.585	1.42	1968
1969	0.611	1.26	1.16	10.9	25.8	14.7	6.88	2.05	3.31	4.38	3.82	4.76	7.00	1969
1970	3.56	3.90	2.81	9.69	27.4	26.8	17.2	6.36	3.42	6.61	7.26	6.53	10.1	1970
1971	4.68	3.86	4.53	20.6	33.6	3.85	0.829	0.480	0.689	4.81	5.85	6.58	7.48	1971
1972	5.83	4.36	4.79	9.82	3.65	0.226	0.310	1.80	3.00	2.51	4.82	4.28	3.59	1972
1973	3.04	3.40	2.28	2.23	1.80	2.63	2.78	0.761	0.552	1.31	3.27	3.86	2.23	1973
1974	3.83	3.87	2.31	10.2	65.8	62.7	31.6	26.1	23.9	20.1	16.7	12.6	21.5	1974
1975	8.33	7.81	6.16	17.8	44.8	39.7	33.7	16.8	13.7	11.6	8.51	6.15	16.3	1975
1976	5.03	8.04	4.86	63.6	65.3	29.7	23.3	14.5	8.73	9.06	7.86	5.90	16.6	1976
1977	3.81	2.80	2.45	2.36	2.70	1.67	0.849	0.695	0.510	0.326	0.087	0.145	1.60	1977
1978	1.01	1.88	1.82	4.13	4.24	2.31	0.846	0.158	0.083	0.058	1.71	3.47	1.79	1978
1979	2.04	1.90	1.87	3.81	27.8	15.9	4.88	2.03	1.80	3.06	---	---	---	1979
1980	---	---	3.81	6.55	1.02	0.380	0.390	0.630	0.385	2.16	0.81	2.29	---	1980
1981	1.86	1.52	1.66	0.471	0.555	1.53	2.06	0.866	1.49	1.38	2.36	2.29	1.51	1981
1982	1.29	0.841	0.837	11.5	30.0	6.95	1.29	2.43	2.00	7.88	6.33	7.47	6.75	1982
1983	7.34	7.08	7.36	12.8	13.8	5.08	9.53	5.25	6.38	7.35	5.36	6.34	7.49	1983
1984	6.37	5.20	6.70	3.16	1.03	1.50	1.73	0.660	1.26	1.30	1.38	1.38	2.19	1984
1985	1.88	1.87	2.75	7.43	1.80	5.03	2.87	2.72	0.27	0.36	5.77	4.37	3.95	1985
1986	4.26	3.83	4.48	1.83	1.80	0.560	0.821	0.281	0.210	1.28	2.35	2.38	2.00	1986
MEAN	3.63	2.26	3.22	10.7	20.0	11.8	8.89	5.74	3.76	4.22	4.56	4.18	6.67	MEAN

LOCATION - LAT 50 39 41 N DRAINAGE AREA 40 800 km²
LONG 103 36 02 W REGULATED

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	53.2 ON MAY 24	---	---	1955
1956	---	55.8 ON MAY 13	0 B ON MAR 20 *	---	1956
1966	---	---	0 ON SEP 6	---	1966
1967	---	16.7 ON MAY 18	0 E ON MAR 1	---	1967
1968	5.71 AT 18 30 CST ON MAR 20	5.71 ON MAR 15	0.0165 ON OCT 30	45 000	1968
1969	39.6 AT 12 00 CST ON MAY 9	37.9 ON MAY 7	0 ON AUG 17	221 000	1969
1970	37.9 AT 17 30 CST ON MAY 31	36.0 ON JUN 1	1.03 ON SEP 11	318 000	1970
1971	46.6 AT 13 05 CST ON MAY 6	44.7 ON MAY 6	0 ON SEP 18	236 000	1971
1972	13.2 AT 00 36 CST ON APR 27	13.0 ON APR 26	0 ON JUN 13	114 000	1972
1973	8.05 AT 10 30 CST ON JUL 2	7.30 ON JUL 2	0.176 ON SEP 30	70 200	1973
1974	80.7 AT 16 30 CST ON MAY 8 *	79.8 ON MAY 8 *	2.02 ON MAR 13	676 000	1974
1975	55.8 AT 18 02 CST ON APR 30	55.5 ON MAY 1	6.41 ON DEC 22	513 000	1975
1976	75.8 AT 08 11 CST ON APR 10	75.3 ON APR 10	4.06 ON MAR 17	526 000	1976
1977	---	6.819 ON JAN 1	0.0378 ON NOV 16	47 300	1977
1978	8.86 AT 13 16 CST ON MAR 31	7.828 ON MAR 31	0.0316 ON OCT 27	56 300	1978
1979	33.7 AT 16 55 CST ON JUN 1	33.3 ON MAY 17	1.05 E ON OCT 10	---	1979
1980	15.5 B AT 22 00 CST ON APR 6	15.0 ON APR 7	0.036 ON SEP 30	---	1980
1981	6.03 AT 05 32 CST ON JUL 16	5.35 ON JUN 26	0.193 ON AUG 26	47 600	1981
1982	33.8 AT 12 03 CST ON MAY 10	33.6 ON MAY 10	0.616 ON JUL 16	213 000	1982
1983	25.0 AT 01 30 CST ON APR 30	24.3 ON APR 30	2.40 ON JUN 23	236 000	1983
1984	7.27 AT 10 55 CST ON FEB 5	6.60 ON FEB 5	0.086 ON AUG 23	89 300	1984
1985	15.8 AT 04 20 CST ON APR 3	15.6 ON APR 3	0.086 ON AUG 1	125 000	1985
1986	6.26 AT 06 45 CST ON MAR 18	6.21 ON MAR 16	0.066 ON JUN 20	63 100	1986
MEAN				211 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW LOON CREEK - STATION NO 05JK007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	5.23	21.7	43.9	38.1	26.6	23.5	---	---	---	---	---	1955
1956	---	---	---	29.5	32.7	23.4	21.2	9.57	2.75	1.71	---	---	---	1956
1968	---	---	---	1.10	0.210	0.955	0.713	1.17	0.245	0.051	---	---	---	1968
1969	---	---	0.561	25.6	22.6	6.22	3.97	3.35	3.02	3.72	---	---	---	1969
1970	---	---	2.87	18.2	28.0	22.9	8.98	4.33	5.41	7.33	7.32	4.32	---	1970
1971	3.70	3.01	3.31	29.6	14.7	0.546	0.202	1.43	1.44	6.08	7.59	5.24	5.48	1971
1972	4.52	3.00	3.91	11.6	2.01	1.41	2.49	3.15	2.53	3.06	3.77	2.36	3.65	1972
1973	1.73	1.75	2.78	2.98	2.64	3.72	2.21	1.89	1.49	2.85	2.33	1.91	2.39	1973
1974	1.83	1.56	1.10	36.7	51.1	37.3	28.2	24.1	20.2	15.0	12.3	8.41	19.9	1974
1975	7.45	5.81	4.89	16.2	41.6	22.1	20.6	13.9	13.9	9.89	7.05	4.73	14.1	1975
1976	4.02	3.02	3.42	55.9	25.6	18.7	18.7	13.2	11.4	9.92	7.42	3.95	14.7	1976
1977	2.56	2.25	2.85	2.15	1.06	2.80	1.82	1.41	0.957	1.18	1.40	1.41	1.82	1977
1978	0.997	0.866	1.12	4.83	1.36	0.501	0.439	0.302	0.234	0.156	1.22	1.83	1.13	1978
1979	1.25	0.894	1.41	7.96	27.0	12.9	4.66	3.18	3.24	4.36	5.90	4.25	6.46	1979
1980	2.48	1.80	1.80	5.76	0.532	0.954	2.07	2.33	1.77	1.91	1.49	0.920	2.06	1980
1981	1.18	1.30	1.39	1.64	3.41	3.01	2.73	1.44	0.870	0.986	1.74	1.10	1.73	1981
1982	0.972	0.791	1.10	17.3	22.0	3.92	3.45	3.08	3.29	7.06	7.30	5.55	5.42	1982
1983	5.13	5.41	5.27	14.4	13.9	3.04	5.40	4.48	4.78	4.85	4.73	4.21	6.39	1983
1984	3.88	3.62	4.17	4.62	2.76	3.29	2.35	1.94	1.82	1.12	0.733	0.433	2.55	1984
1985	0.503	0.137	2.27	5.13	3.39	4.12	3.49	4.15	3.78	4.24	4.06	3.22	3.22	1985
1986	3.11	3.29	3.15	0.785	3.62	1.83	1.72	0.569	0.769	0.371	0.510	2.53	1.85	1986
MEAN	2.89	2.44	2.77	15.0	15.4	10.1	7.78	5.84	4.19	4.29	4.52	3.42	5.93	MEAN

LOCATION - LAT 50 47 11 N
LONG 104 17 21 W
DRAINAGE AREA 35 500 km²
REGULATED

QU'APPELLE RIVER BELOW LOON CREEK STATION NO 05JK007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1955	---	52.1 E ON MAY 6	---	---	1955
1956	---	49.3 ON APR 25	---	---	1956
1968	---	---	---	---	1968
1969	---	70.2 ON APR 20	0 ON OCT 19 *	---	1969
1970	---	33.4 ON APR 22	---	---	1970
1971	82.0 AT 20 00 CST ON APR 19	80.8 ON APR 19	0 ON JUN 17	304 000	1971
1972	22.5 AT 10 30 CST ON APR 12	22.1 ON APR 12	0.997 ON MAY 20	115 000	1972
1973	6.29 AT 23 58 CST ON MAR 28	5.89 ON MAR 31	0.187 ON MAY 8	76 500	1973
1974	185 AT 22 42 CST ON APR 26 *	162 ON APR 26 *	0.4678 ON MAR 22	827 000	1974
1975	80.9 AT 10 43 CST ON MAY 9	80.0 ON MAY 9	4.22 E ON APR 10	443 000	1975
1976	73.9 AT 23 27 CST ON APR 9	73.1 ON APR 9	2.76 E ON FEB 24	464 000	1976
1977	4.93 AT 02 25 CST ON MAY 27	4.678 ON MAR 17	0.122 ON MAY 17	57 300	1977
1978	---	13.0 E ON APR 10	0.091 ON OCT 23	35 500	1978
1979	38.5 AT 22 12 CST ON MAY 3	38.5 ON MAY 3	0.5108 ON FEB 22	204 000	1979
1980	19.8 E AT 18 55 CST ON APR 6	18.8 E ON APR 7	0.087 ON JUN 2	65 100	1980
1981	6.09 AT 03 09 CST ON MAY 2	5.72 ON MAY 2	0.162 ON APR 26	54 700	1981
1982	51.0 AT 21 50 CST ON APR 25	50.9 ON APR 27	0.3578 ON JAN 30	203 000	1982
1983	20.8 AT 11 03 CST ON APR 23	20.8 ON APR 23	2.47 ON JUN 15	201 000	1983
1984	9.008 AT 12 01 CST ON APR 4	8.239 ON APR 4	0.131 ON MAY 20	80 900	1984
1985	15.7 E AT 22 09 CST ON APR 2	14.5 ON APR 3	0.0388 ON FEB 20	102 000	1985
1986	4.82 AT 19 22 CST ON MAY 11	4.81 ON MAY 11	0.014 ON OCT 2	58 300	1986
				187 000	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO 05JG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.151	0.185	1.04	0.280	0.055	0.092	0.143	---	---	---	1944
1945	---	---	0.251	0.177	0.029	0.048	0.039	0.004	0.035	0.083	---	---	---	1945
1946	---	---	1.76	1.85	0.239	0.480	0.897	0.561	0.256	0.019	---	---	---	1946
1947	---	---	0.219	14.4	5.53	0.770	1.66	1.12	0.906	0.187	---	---	---	1947
1948	---	---	0.131	14.3	36.8	9.26	2.03	0.577	1.09	2.82	---	---	---	1948
1949	---	---	0.182	1.40	0.178	0.059	0.181	0.115	0.082	0.083	---	---	---	1949
1950	---	---	0.503	7.33	7.33	0.897	0.322	0.203	0.023	0.005	---	---	---	1950
1951	---	---	0	13.7	21.5	4.67	4.89	0.200	2.71	0.438	---	---	---	1951
1952	---	---	0.590	27.4	9.34	0.243	0.455	0.184	0.140	3.75	---	---	---	1952
1953	---	---	0.930	2.10	0.833	32.2	30.2	2.83	0.171	0.084	---	---	---	1953
1954	---	---	0.138	0.211	0.181	2.05	0.791	0.857	7.08	3.97	---	---	---	1954
1955	---	---	0.576	30.6	62.4	10.7	5.48	2.99	0.571	0.189	---	---	---	1955
1956	---	---	3.14	37.9	20.3	2.99	1.87	0.368	0.167	0.185	---	---	---	1956
1957	---	---	1.74	5.90	2.21	0.280	0.139	0.112	0.085	0.112	---	---	---	1957
1958	---	---	1.18	4.99	0.551	0.110	0.094	0.043	0.023	0.005	---	---	---	1958
1959	---	---	0.837	0.386	0.187	0.459	0.336	0.014	0.104	0.706	---	---	---	1959
1960	---	---	4.98	27.3	5.95	2.78	5.19	0.125	0.006	0.059	---	---	---	1960
1961	---	---	2.34	0.775	0.058	0.002	0.004	0	0.002	0.009	---	---	---	1961
1962	---	---	0.815	5.28	0.168	0.784	0.170	0.074	0.013	0.007	---	---	---	1962
1963	---	---	0.770	1.71	0.088	0.941	5.48	1.50	0.073	0.117	---	---	---	1963
1964	---	---	0.110	2.22	0.549	0.384	0.099	0.057	0.026	0	---	---	---	1964
1965	---	---	0	8.81	5.93	8.19	2.89	0.253	0.167	0.012	---	---	---	1965
1966	---	---	5.41	2.38	0.485	0.171	0.268	0.317	0.193	0.005	---	---	---	1966
1967	---	---	0.525	20.3	4.41	0.437	0.291	0.187	2.31	3.72	3.76	3.82	---	1967
1968	4.84	5.57	7.15	3.99	3.02	2.09	1.16	1.47	0.868	0.538	2.19	3.40	3.00	1968
1969	3.58	5.05	1.86	47.6	20.7	3.28	1.89	0.428	0.233	0.998	1.80	2.08	7.40	1969
1970	1.65	4.44	3.85	29.5	37.5	8.34	1.56	0.112	0.031	0.229	1.31	0.982	7.45	1970
1971	0.752	1.09	1.12	35.3	8.49	1.18	0.724	0.223	0.200	0.358	1.01	0.896	4.08	1971
1972	0.813	0.732	5.84	3.97	0.702	1.55	2.81	3.28	0.445	0.184	0.858	0.730	1.43	1972
1973	0.581	0.816	1.15	4.52	5.80	2.75	1.29	2.04	1.42	1.03	0.901	0.842	1.90	1973
1974	0.900	1.03	0.748	82.0	82.4	15.2	0.944	2.98	1.43	0.340	1.23	1.27	14.2	1974
1975	0.780	0.802	0.796	24.2	35.7	2.47	3.00	0.241	0.480	0.487	0.599	0.428	5.86	1975
1976	0.503	0.657	10.5	73.0	11.6	6.75	3.64	1.15	0.184	0.423	0.587	0.651	8.14	1976
1977	0.583	0.787	0.568	0.321	2.80	2.04	1.18	0.585	0.522	0.694	1.16	0.632	0.999	1977
1978	0.461	0.500	1.68	7.28	1.27	0.375	0.484	0.585	0.289	0.431	0.970	0.804	1.26	1978
1979	0.518	0.868	1.77	20.8	28.5	2.90	4.34	0.346	0.512	0.678	0.815	0.679	5.25	1979
1980	0.867	0.637	1.07	3.36	1.11	1.08	1.18	2.34	2.03	1.16	0.901	0.651	1.43	1980
1981	0.783	0.892	1.03	3.80	6.82	7.50	8.64	6.24	1.59	1.02	0.874	0.817	3.35	1981
1982	0.727	0.574	0.909	42.1	16.5	6.11	4.61	2.37	1.12	1.06	0.857	0.586	6.43	1982
1983	0.606	0.625	3.49	28.6	8.34	1.35	0.770	0.490	0.585	0.513	0.634	0.715	3.89	1983
1984	0.827	0.924	1.11	2.05	3.30	3.06	2.26	2.26	1.32	2.27	0.801	0.604	1.72	1984
1985	0.752	0.737	3.29	6.30	3.85	0.936	0.826	0.936	0.826	0.487	0.665	0.884	1.72	1985
1986	0.953	1.15	5.65	2.63	13.4	3.23	3.47	0.733	0.586	1.12	0.821	0.564	2.86	1986
MEAN	1.11	1.47	1.88	15.2	10.1	3.53	2.82	0.963	0.718	0.715	1.11	1.10	4.61	MEAN

LOCATION - LAT 50 34 40 N DRAINAGE AREA 12 800 km²
LONG 105 16 00 W REGULATED

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO 05JG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	4.47 ON JUN 17	0 B ON MAR 1 *	---	1944
1945	---	0.8218 ON MAR 22	0 B ON MAR 1	---	1945
1946	---	9.32 B ON MAR 15	0 B ON MAR 1	---	1946
1947	---	22.3 ON APR 15	0 B ON MAR 1	---	1947
1948	---	55.2 ON APR 26	0 B ON MAR 1	---	1948
1949	---	3.16 ON APR 18	0 B ON MAR 1	---	1949
1950	---	21.0 ON APR 25	0 ON SEP 7	---	1950
1951	---	25.5 ON MAY 14	0 B ON MAR 1	---	1951
1952	---	34.5 ON APR 13	0 B ON MAR 1	---	1952
1953	---	57.2 ON JUN 10	0 0.288 ON MAR 1	---	1953
1954	---	16.2 ON SEP 21	0 0.578 ON MAR 28	---	1954
1955	62.3 AT 08 00 CST ON MAY 10	60.6 ON MAY 10	0 0.578 ON MAR 9	---	1955
1956	---	81.7 ON APR 22	0 0.148 ON MAR 1	---	1956
1957	13.2 B AT 11 00 CST ON APR 8	10.9 B ON APR 8	0 0.288 ON MAR 1	---	1957
1958	12.4 AT 13 00 CST ON APR 6	12.1 ON APR 6	0 ON SEP 24	---	1958
1959	4.508 AT 17 30 CST ON MAR 15	3.62 B ON MAR 15	0 B ON MAR 1	---	1959
1960	39.1 AT 22 00 CST ON APR 5	36.2 ON APR 5	0 B ON MAR 1	---	1960
1961	---	6.91 B ON MAR 19	0 ON JUN 11	---	1961
1962	15.9 B AT 21 00 CST ON APR 3	14.9 B ON APR 3	0 B ON MAR 1	---	1962
1963	11.4 AT 24 00 CST ON JUL 12	9.91 A ON JUL 20	0 0.03 ON SEP 8	---	1963
1964	8.188 AT 02 00 CST ON APR 11	7.73 B ON APR 11	0 ON JUL 11	---	1964
1965	17.0 B AT 21 30 CST ON APR 20	17.0 B ON APR 21	0 B ON MAR 1	---	1965
1966	15.3 AT 22 30 CST ON MAR 15	15.8 ON MAR 15	0 B ON MAR 1	---	1966
1967	36.8 AT 07 00 CST ON APR 19	36.8 ON APR 19	0 B ON MAR 1	---	1967
1968	13.0 AT 02 30 CST ON MAR 8	12.1 ON MAR 6	0 0.25 ON OCT 5	84 900	1968
1969	144 AT 18 30 CST ON APR 13	136 ON APR 13	0 ON SEP 5	233 000	1969
1970	64.8 AT 13 23 CST ON MAY 11	64.3 ON MAY 11	0 0.01 ON SEP 7	235 000	1970
1971	76.7 B AT 03 26 CST ON APR 13	72.6 B ON APR 13	0 0.08 ON SEP 14	129 000	1971
1972	21.6 B AT 04 31 CST ON MAR 27	20.7 B ON MAR 27	0 ON SEP 8	57 900	1972
1973	11.0 AT 23 36 CST ON MAY 9	10.5 ON MAY 10	0 4.08 ON DEC 27	58 600	1973
1974	286 AT 08 54 CST ON APR 21 *	278 ON APR 21 *	0 2.44 ON OCT 20	447 000	1974
1975	81.0 AT 03 02 CST ON APR 27	79.9 ON APR 27	0 0.34 ON AUG 31	185 000	1975
1976	102 AT 14 12 CST ON APR 8	99.7 ON APR 7	0 0.85 ON SEP 30	269 000	1976
1977	14.0 AT 16 30 CST ON MAY 28	12.9 ON MAY 28	0 0.88 ON SEP 1	21 500	1977
1978	20.6 AT 11 35 CST ON APR 6	20.1 ON APR 6	0 0.37 ON OCT 11	35 800	1978
1979	71.6 AT 01 54 CST ON APR 27	71.2 ON APR 26	0 0.61 ON SEP 5	186 000	1979
1980	8.108 AT 23 13 CST ON APR 5	5.62 B ON APR 11	0 5.008 ON DEC 18	45 300	1980
1981	11.5 AT 14 39 CST ON JUL 19	10.7 ON APR 25	0 5.589 ON FEB 28	105 000	1981
1982	114 AT 23 13 CST ON APR 19	111 ON APR 20	0 1.029 ON NOV 20	203 000	1982
1983	57.8 AT 11 04 CST ON APR 10	55.2 ON APR 10	0 2.17 ON NOV 2	123 000	1983
1984	4.20 AT 23 57 CST ON APR 27	4.09 ON APR 26	0 5.458 ON DEC 20	54 400	1984
1985	11.4 B AT 18 25 CST ON MAR 29	10.1 B ON MAR 29	0 3.50 ON OCT 15	54 100	1985
1986	24.4 AT 02 02 CST ON MAY 17	23.7 ON MAY 17	0 3.248 ON DEC 25	80 900	1986
				139 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW ROUND LAKE - STATION NO 05JM008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	56.9	112	62.0	47.3	32.7	---	---	---	---	---	1955
1956	---	---	---	---	81.7	43.9	28.8	19.4	12.4	8.53	---	---	---	1956
MEAN	---	---	---	56.9	96.9	53.0	38.1	26.1	12.4	8.53	---	---	---	MEAN

LOCATION - LAT 50 30 30 N, LONG 102 16 31 W
DRAINAGE AREA 47 100 km^2
REGULATED
DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

QU'APPELLE RIVER BELOW ROUND LAKE - STATION NO 05JM008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	1886 ON MAY 5 *	---	---	1955
1956	---	122 ON APR 24	---	---	1956
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO 05JF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	3.54	1.21	0.365	0.907	---	---	0.079	---	1911
1912	0.021	0.010	0.446	11.2	14.6	4.48	2.45	0.966	0.828	0.668	0.471	0.077	3.04	1912
1913	0.031	0.071	1.72	12.1	2.32	1.31	1.33	0.884	0.437	0.259	0.212	0.108	1.73	1913
1914	0.032	0	0.052	2.44	0.941	0.667	0.560	0.214	0.154	0.169	0.124	0.067	0.451	1914
1915	0.022	0.002	0.002	0.254	0.318	0.217	0.187	0.074	0.104	0.264	0.107	0.058	0.133	1915
1916	0.015	0.005	0.005	39.5	15.4	7.01	3.20	1.43	0.946	0.926	0.808	0.192	5.75	1916
1917	0.026	0.020	0.026	31.1	15.9	4.62	2.15	1.02	0.717	0.705	0.500	0.038	4.72	1917
1918	0.002	0.012	8.57	5.57	3.05	1.14	0.306	0.191	0.111	0.184	0.176	0.126	1.63	1918
1919	0.120	0.032	0.042	4.84	1.40	0.220	0.122	0.024	0.035	0.090	0.061	0.021	0.589	1919
1920	0.004	0.001	2.49	12.4	8.87	1.97	0.557	0.211	0.193	0.254	0.143	0.104	2.26	1920
1921	0.003	0.061	0.434	1.23	1.33	0.632	1.88	0.373	0.398	0.536	0.292	0.119	0.612	1921
1922	0.047	0.013	4.21	40.1	17.6	8.24	3.64	1.40	0.727	0.559	0.444	0.225	6.42	1922
1923	0.150	0.084	0.552	14.6	5.45	---	---	---	---	---	---	---	---	1923
1928	---	---	---	15.9	4.56	2.68	2.23	0.706	0.505	0.274	---	---	---	1928
1929	---	---	0.224	0.608	0.376	0.403	0.203	0.061	0.063	0.112	---	---	---	1929
1930	---	---	1.22	9.09	0.788	0.443	0.310	0.184	0.256	0.279	---	---	---	1930
1931	---	---	0.324	1.89	---	---	---	---	---	---	---	---	---	1931
1944	---	---	0	0.531	0.811	1.13	0.541	0.270	0.258	0.276	---	---	---	1944
1945	---	---	0.535	0.741	0.341	0.418	0.276	0.153	0.187	0.343	---	---	---	1945
1946	---	---	3.74	2.21	0.765	0.629	1.25	---	---	---	---	---	---	1946
1947	---	---	0.096	31.9	11.0	2.24	1.78	1.66	1.83	0.417	---	---	---	1947
1948	---	---	0.151	27.6	49.6	14.9	2.00	0.831	0.948	3.54	---	---	---	1948
1949	---	---	0.276	2.69	1.04	0.849	0.445	0.415	0.294	0.340	---	---	---	1949
1950	---	---	0.727	11.3	9.12	1.84	0.886	0.482	0.286	0.371	---	---	---	1950
1951	---	---	0.113	21.3	30.0	6.27	6.13	0.170	3.30	1.30	---	---	---	1951
1952	---	---	0.198	35.6	13.5	0.785	0.752	0.366	0.416	3.17	---	---	---	1952
1953	---	---	1.88	8.63	2.32	25.3	29.6	6.49	1.63	0.873	---	---	---	1953
1954	---	---	0.570	2.91	1.81	5.01	1.84	1.93	7.87	4.76	---	---	---	1954
1955	---	---	0.685	48.9	68.5	19.2	15.6	5.16	1.27	0.620	---	---	---	1955
1956	---	---	2.74	61.5	38.6	5.28	3.40	1.19	0.633	0.700	---	---	---	1956
1957	---	---	8.11	14.6	3.31	0.877	0.547	0.513	0.412	0.454	---	---	---	1957
1958	---	---	1.98	8.06	1.35	0.488	0.418	0.361	0.411	0.474	---	---	---	1958
1959	---	---	1.53	0.725	0.626	0.927	0.525	0.285	0.513	0.858	---	---	---	1959
1960	---	---	4.93	37.4	8.27	6.53	5.80	0.300	0.218	0.334	---	---	---	1960
1961	---	---	2.66	1.54	0.954	0.523	0.429	0.248	0.335	0.235	---	---	---	1961
1962	---	---	0.982	7.53	0.935	1.34	0.768	0.661	0.327	0.589	---	---	---	1962
1963	---	---	1.11	2.15	1.01	1.61	5.73	1.99	0.754	0.786	---	---	---	1963
1964	---	---	0.425	2.68	1.17	1.18	1.82	0.609	0.584	0.443	---	---	---	1964
1965	---	---	0.250	11.7	7.02	13.9	4.88	0.885	0.638	0.217	---	---	---	1965
1966	---	---	8.21	9.30	1.76	0.931	0.374	0.598	0.818	0.539	---	---	---	1966
1967	---	---	0.507	33.3	7.21	1.09	0.560	0.809	2.62	4.10	4.07	4.06	---	1967
1968	5.04	6.45	9.16	5.90	4.00	2.37	1.51	2.55	1.69	1.14	2.87	3.37	3.83	1968
1969	4.04	5.58	3.36	71.3	26.6	4.19	2.69	1.17	1.05	1.16	1.96	1.99	10.4	1969
1970	2.15	4.82	3.37	41.5	46.9	13.6	2.61	0.648	1.28	0.580	1.28	1.13	9.89	1970
1971	1.08	1.20	1.66	61.4	11.4	2.12	1.83	0.675	0.408	0.378	1.50	1.18	7.02	1971
1972	1.14	1.08	8.21	9.35	2.03	2.21	3.30	3.84	1.22	0.580	1.08	0.909	2.91	1972
1973	0.904	1.01	1.76	4.84	6.00	3.99	2.80	2.35	1.98	1.53	1.18	1.61	2.49	1973
1974	1.56	1.36	1.34	127	94.8	24.6	2.62	3.06	2.63	0.820	1.46	1.64	21.9	1974
1975	1.41	0.831	1.34	35.5	69.3	10.4	6.08	1.53	1.79	1.44	0.981	1.07	11.1	1975
1976	1.20	0.981	7.16	117	19.5	20.7	7.45	2.51	1.29	1.07	1.05	1.17	15.0	1976
1977	0.905	1.46	1.57	1.12	3.75	3.14	2.39	1.17	1.00	1.25	1.59	1.16	1.71	1977
1978	0.926	0.880	2.63	12.3	2.96	1.80	1.18	1.30	1.43	0.903	1.59	1.40	2.41	1978
1979	1.24	1.49	3.23	28.1	44.5	5.21	5.86	0.847	0.996	1.25	1.19	1.25	7.98	1979
1980	1.06	1.10	2.43	10.2	1.88	1.75	3.03	2.99	2.84	1.77	1.04	0.970	2.58	1980
1981	1.27	1.51	1.27	4.57	7.94	8.59	10.0	7.39	2.66	2.36	1.47	1.42	4.23	1981
1982	1.10	0.925	1.11	78.3	28.6	8.25	5.95	3.67	2.01	1.99	1.01	1.03	11.1	1982
1983	1.26	1.30	4.00	37.6	13.7	4.11	14.2	3.69	1.87	1.24	1.51	1.02	7.15	1983
1984	1.18	1.74	4.58	5.78	4.24	4.07	2.70	2.90	2.07	3.11	1.74	1.35	2.96	1984
1985	1.10	1.11	5.68	15.7	5.85	2.13	1.47	1.82	1.88	1.84	1.14	1.61	3.43	1985
1986	1.45	1.60	7.64	4.43	19.0	4.54	5.15	1.73	1.87	1.56	1.38	1.20	4.33	1986
MEAN	0.983	1.18	2.28	21.3	13.2	4.80	3.26	1.42	1.14	1.01	1.11	0.993	5.33	MEAN

LOCATION - LAT 50 39 16 N DRAINAGE AREA 18 300 km²
LONG 104 51 06 W REGULATED

REMARKS - A DISCHARGE ESTIMATED AT 142 m³/s OCCURRED IN 1904

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO. 05JF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	25.0 ON MAY 17	0.007 ON MAR 7	95 100	1912
1913	---	22.9 ON APR 1	0 B ON JAN 12 *	54 500	1913
1914	---	5.30 ON APR 17	0 B ON FEB 2	14 200	1914
1915	---	0.530 ON APR 13	0 B ON FEB 16	4 180	1915
1916	---	68.2 ON APR 22	0.0018 ON MAR 1	181 000	1916
1917	---	59.5 E ON APR 16	0 B ON DEC 24	149 000	1917
1918	---	27.9 ON MAR 22	0 B ON JAN 6	51 500	1918
1919	---	9.32 ON APR 23	0 ON JUL 24	18 600	1919
1920	---	20.3 B ON APR 21	0.0018 ON JAN 13	71 700	1920
1921	---	3.40 ON APR 23	0 B ON JAN 12	19 300	1921
1922	---	72.8 B ON APR 7	0 B ON FEB 25	203 000	1922
1923	---	24.7 B ON APR 13	0.0598 ON FEB 14	---	1923
1928	---	41.6 ON APR 2	---	---	1928
1929	---	1.33 ON JUN 17	0 B ON MAR 1	---	1929
1930	---	19.5 B ON APR 6	0.0578 ON MAR 1	---	1930
1931	---	---	---	---	1931
1944	---	2.83 ON JUN 16	0 B ON MAR 1	---	1944
1945	---	1.90 B ON MAR 24	0 B ON MAR 1	---	1945
1946	---	13.5 B ON MAR 22	---	---	1946
1947	---	48.1 ON APR 20	0.0578 ON MAR 1	---	1947
1948	---	85.7 ON MAY 1	0.1428 ON MAR 1	---	1948
1949	---	8.21 ON APR 19	0.1138 ON MAR 21	---	1949
1950	---	26.1 ON APR 27	0.1708 ON MAR 1	---	1950
1951	---	44.2 ON MAY 4	0.040 ON AUG 22	---	1951
1952	---	44.5 B ON APR 6	0.1138 ON MAR 1	---	1952
1953	---	35.7 ON JUL 8	0.0578 ON MAR 1	---	1953
1954	---	15.1 ON SEP 23	0.388 ON AUG 20	---	1954
1955	---	91.5 ON MAY 6	0.3118 ON MAR 1	---	1955
1956	119 AT 12:00 CST ON APR 21	119 ON APR 21	0.1988 ON MAR 1	---	1956
1957	---	26.8 B ON APR 6	0.1708 ON MAR 1	---	1957
1958	17.2 AT 10:00 CST ON APR 9	17.1 ON APR 9	0.1988 ON MAR 23	---	1958
1959	3.888 AT 16:30 CST ON MAR 18	3.57 B ON MAR 18	0.246 ON AUG 27	---	1959
1960	---	49.8 B ON APR 5	0.057 ON AUG 28	---	1960
1961	11.6 B AT 18:00 CST ON MAR 20	10.7 B ON MAR 21	0.164 ON OCT 14	---	1961
1962	18.9 B AT 11:00 CST ON APR 8	18.6 B ON APR 8	0.0238 ON MAR 15	---	1962
1963	10.1 AT 09:00 CST ON JUL 13	9.74 ON JUL 22	0.1028 ON MAR 1	---	1963
1964	8.50 AT 09:30 CST ON APR 26	7.31 ON APR 26	0.3208 ON MAR 1	---	1964
1965	28.5 B AT 09:00 CST ON APR 16	27.9 B ON APR 15	0.071 ON OCT 28	---	1965
1966	27.4 B AT 12:00 CST ON APR 2	25.8 B ON APR 2	0.028 ON NOV 1	---	1966
1967	---	64.8 ON APR 19	0.235 ON SEP 3	---	1967
1968	20.1 B AT 09:00 CST ON MAR 8	18.9 B ON MAR 7	0.368 ON OCT 7	121 000	1968
1969	193 ON APR 15	187 ON APR 16	0.3408 ON OCT 29	327 000	1969
1970	---	83.7 ON MAY 17	0.343 ON OCT 24	316 000	1970
1971	130 AT 22:00 CST ON APR 14	124 ON APR 14	0.082 ON OCT 15	221 000	1971
1972	23.3 B AT 11:00 CST ON MAR 27	23.2 B ON MAR 27	0.258 ON OCT 28	92 100	1972
1973	11.0 AT 18:47 CST ON MAY 11	10.6 ON MAY 11	0.8318 ON JAN 8	78 400	1973
1974	442 AT 06:19 CST ON APR 25 *	436 ON APR 25 *	0.532 ON OCT 18	690 000	1974
1975	122 AT 17:50 CST ON MAY 3	127 ON MAY 1	0.371 ON OCT 21	349 000	1975
1976	188 AT 15:55 CST ON APR 8	187 ON APR 8	0.388 ON OCT 6	472 000	1976
1977	14.2 AT 00:30 CST ON MAY 30	12.8 ON MAY 30	0.348 ON OCT 7	63 900	1977
1978	26.8 B AT 21:34 CST ON APR 6	25.9 B ON APR 7	0.130 ON OCT 22	76 200	1978
1979	94.2 AT 08:42 CST ON APR 28	94.1 ON APR 28	0.270 ON SEP 8	252 000	1979
1980	24.4 B AT 06:09 CST ON APR 10	23.5 B ON APR 10	0.5438 ON DEC 20	81 500	1980
1981	13.6 E AT 02:03 CST ON JUL 21	12.8 ON JUL 21	0.7778 ON MAR 22	133 000	1981
1982	219 AT 16:31 CST ON APR 21	210 ON APR 21	0.4828 ON MAR 25	351 000	1982
1983	60.1 AT 18:09 CST ON APR 12	56.7 ON APR 17	0.929 ON OCT 26	226 000	1983
1984	18.4 B AT 03:24 CST ON MAR 30	17.7 B ON MAR 30	0.7748 ON JAN 12	93 700	1984
1985	33.6 B AT 01:10 CST ON APR 5	32.7 B ON APR 5	0.6188 ON NOV 14	106 000	1985
1986	31.8 AT 12:23 CST ON MAY 16	31.6 ON MAY 16	0.8868 ON FEB 13	137 000	1986
				188 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	---	---	---	---	---	---	0.898	5.37	3.96	---	---	---	---	1942
1943	---	---	---	39.5	27.2	16.2	6.87	2.87	1.90	0.922	---	---	---	1943
1944	---	---	---	3.56	2.11	6.18	2.15	0.798	1.62	1.23	---	---	---	1944
1945	---	---	---	3.71	3.41	2.09	2.11	0.470	0.535	0.762	---	---	---	1945
1946	---	---	---	11.7	2.72	1.34	6.90	0.642	0.856	1.02	---	---	---	1946
1947	---	---	---	26.3	34.8	25.1	15.2	1.97	1.76	1.46	---	---	---	1947
1948	---	---	---	22.6	44.0	18.4	8.16	1.08	0.384	0.583	---	---	---	1948
1949	---	---	---	7.94	1.81	5.14	1.16	0.586	0.433	0.870	1.13	---	---	1949
1950	---	---	---	11.1	6.33	3.93	3.92	2.46	1.03	0.826	0.776	0.493	---	1950
1951	0.610	0.553	0.726	13.8	11.8	8.56	5.28	1.12	0.925	1.58	1.24	0.809	3.92	1951
1952	0.478	0.579	0.798	18.7	7.67	4.07	1.73	0.862	1.30	0.982	0.771	0.534	3.18	1952
1953	0.456	0.600	1.25	27.8	15.0	20.7	14.8	9.53	5.43	4.17	3.42	2.80	8.84	1953
1954	1.87	2.22	2.95	18.4	18.4	47.0	74.1	33.7	16.0	21.0	15.6	10.3	21.9	1954
1955	7.99	7.01	6.80	74.7	141	66.6	51.8	36.3	27.4	---	---	---	---	1955
1974	---	---	3.20	33.7	70.1	61.7	33.1	25.7	23.3	19.9	16.2	12.8	---	1974
1975	9.61	8.61	7.42	30.9	78.5	45.9	22.6	14.7	16.5	14.9	13.0	7.65	22.6	1975
1976	6.46	5.92	5.92	106	70.3	41.9	27.2	16.9	9.06	11.6	9.55	8.28	26.5	1976
1977	5.48	4.11	3.46	2.43	2.89	3.04	2.13	0.784	0.373	2.67	4.84	2.36	2.87	1977
1978	0.923	0.364	0.586	7.45	5.35	4.07	2.59	1.02	0.273	1.96	4.15	1.65	2.54	1978
1979	1.21	1.33	1.61	21.9	54.9	26.9	7.27	3.33	2.39	3.49	5.84	6.58	11.4	1979
1980	5.49	3.70	2.76	11.8	4.09	0.880	0.502	0.321	0.201	3.55	6.88	3.14	3.60	1980
1981	1.75	2.77	2.88	1.22	0.954	0.982	0.191	0.940	1.81	3.72	5.54	3.20	2.14	1981
1982	1.55	1.06	1.63	14.1	28.0	16.4	3.77	3.38	2.04	8.36	8.17	6.20	7.92	1982
1983	7.32	7.07	7.38	33.4	31.0	11.2	8.17	10.1	4.81	8.24	6.88	4.75	10.9	1983
1984	3.80	4.84	6.84	2.20	1.95	1.48	0.983	0.087	0.004	1.36	6.02	2.88	2.67	1984
1985	1.43	0.767	5.44	37.4	6.75	3.94	3.84	2.10	4.47	5.99	8.82	5.74	7.20	1985
1986	4.40	4.33	15.0	6.74	7.53	2.21	2.13	1.53	0.212	3.44	5.49	2.93	4.68	1986
MEAN	3.58	3.27	4.24	22.3	26.1	17.2	11.5	6.88	4.77	4.98	6.55	4.80	8.93	MEAN

LOCATION : LAT 50 29 28 N DRAINAGE AREA 50 900 km²
LONG 101 33 28 W REGULATED

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	---	---	---	---	1942
1943	---	64.8 ON APR 9	---	---	1943
1944	---	10.6 ON JUN 29	0.8 B ON APR 1 *	---	1944
1945	---	14.2 B ON MAR 28	---	---	1945
1946	---	43.0 B ON MAR 30	---	---	1946
1947	---	56.9 ON JUN 29	---	---	1947
1948	---	78.2 ON APR 24	---	---	1948
1949	---	33.7 B ON APR 10	---	---	1949
1950	---	37.4 ON APR 18	---	---	1950
1951	---	23.2 B ON APR 12	0.5388 ON FEB 1	124 000	1951
1952	---	34.5 ON APR 8	0.3118 ON JAN 20	101 000	1952
1953	---	52.1 ON APR 5	0.4258 ON JAN 1	279 000	1953
1954	---	92.0 ON JUL 1	1.56 B ON JAN 17	891 000	1954
1955	---	251 ON MAY 11 *	---	---	1955
1974	---	99.1 B ON APR 17	---	---	1974
1975	102 AT 14 13 CST ON MAY 6	99.4 ON MAY 7	5.40 B ON MAR 30	713 000	1975
1976	188 AT 00 48 CST ON APR 18 *	167 B ON APR 9	4.84 B ON MAR 1	839 000	1976
1977	7.96 AT 15 13 CST ON NOV 8	7.96 ON NOV 8	0.204 ON AUG 30	90 600	1977
1978	10.3 AT 04 52 CST ON APR 15	10.0 ON APR 15	0.1448 ON MAR 18	79 800	1978
1979	82.8 B AT 21 39 CST ON APR 24	80.5 B ON APR 24	1.04 B ON JAN 14	361 000	1979
1980	19.2 AT 15 01 CST ON APR 20	19.0 ON APR 20	0.103 ON AUG 1	114 000	1980
1981	7.86 AT 14 10 CST ON NOV 4	7.44 ON NOV 4	0.033 ON JUL 28	67 600	1981
1982	44.5 B AT 15 56 CST ON APR 16	40.2 B ON APR 16	0.9338 ON FEB 9	250 000	1982
1983	85.8 AT 01 06 CST ON APR 22	84.6 ON APR 22	2.94 ON SEP 8	344 000	1983
1984	10.9 B AT 08 05 CST ON MAR 27	10.8 B ON MAR 27	0 ON AUG 24	84 500	1984
1985	83.7 AT 21 51 CST ON APR 4	76.7 B ON APR 4	0.6498 ON FEB 11	227 000	1985
1986	41.3 AT 12 40 CST ON MAR 31	39.3 ON MAR 31	0.077 ON SEP 19	148 000	1986
				282 000	MEAN

B - ICE CONDITIONS * EXTREME RECORDED FOR THE PERIOD OF RECORD

QUILL CREEK NEAR QUILL LAKE - STATION NO 05MA020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.133	0.119	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.164	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0.001	1.61	---	---	---	---	---	---	---	---	---	1965
1967	---	---	---	0.946	1.09	---	---	---	---	---	---	---	---	1967
1968	---	---	---	0.212	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	1.59	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.97	0.880	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.02	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	0.874	---	---	---	---	---	---	---	---	1972
1973	---	---	0.033	0.008	0	0.128	0.118	0.010	0	0	---	---	0.037	1973
1974	---	---	0	3.21	1.01	0.154	0.008	0.020	0.015	0.016	---	---	0.547	1974
1975	---	---	0	3.78	2.23	0.075	0.006	0	0	0	---	---	0.755	1975
1976	---	---	0	1.76	0.053	0.185	0.092	0.001	0	0	---	---	0.258	1976
1977	---	---	0	0.282	0.069	0.019	0	0	0	0	---	---	0.043	1977
1978	---	---	0.017	1.40	0.046	0	0.013	0	0	0	---	---	0.181	1978
1979	---	---	0	4.15	1.77	0.051	0	0	0	0	---	---	0.739	1979
1980	---	---	0	1.38	0.017	0	0	0	0	0	---	---	0.171	1980
1981	---	0	0.008	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.173	0	0.014	0	0	0	0	---	---	0.023	1982
1983	---	---	0	0.819	0.089	0	0.112	0.031	0	0	---	---	0.130	1983
1984	---	---	0.323	0.297	0.127	0.166	0.003	0	0	0	---	---	0.114	1984
1985	---	---	0	5.79	0.621	0.004	0.001	0	0	0	---	---	0.788	1985
1986	---	---	0.712	0.397	0.038	0	0.002	0	0	0	---	---	0.164	1986
MEAN	---	0	0.077	1.41	0.525	0.058	0.025	0.004	0.001	0.001	---	---	0.281	MEAN

LOCATION - LAT 52 00 11 N DRAINAGE AREA 273 km²
LONG 104 14 50 W NATURAL FLOW

QUILL CREEK NEAR QUILL LAKE - STATION NO 05MA020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1963	---	0.708 ON MAR 25	0 ON MAR 1 *	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	0B ON APR 1	---	1972
1973	0.496 AT 16 46 CST ON JUN 6	0.467 ON JUN 6	0B ON MAR 1	786	1973
1974	17.4 B AT 18 20 CST ON APR 20	16.3 ON APR 21	0B ON MAR 1	11 800	1974
1975	22.2 AT 00 09 CST ON APR 29 *	21.2 ON APR 29 *	0B ON MAR 1	15 000	1975
1976	11.3 AT 04 44 CST ON APR 9	9.85 ON APR 9	0B ON MAR 1	5 470	1976
1977	2.49 AT 13 25 CST ON APR 9	1.50 ON APR 9	0B ON MAR 1	914	1977
1978	3.78 B AT 04 44 CST ON APR 9	3.17 B ON APR 9	0B ON MAR 1	3 830	1978
1979	18.4 B AT 04 05 CST ON APR 24	17.4 B ON APR 24	0B ON MAR 1	15 700	1979
1980	6.83 AT 01 52 CST ON APR 14	6.58 ON APR 14	0B ON MAR 1	3 620	1980
1981	0.078 AT 06 48 CST ON MAR 27	0.071 ON MAR 27	0B ON MAR 1	26.9	1981
1982	1.61 AT 11 15 CST ON APR 16	0.8389 ON APR 16	0B ON MAR 1	484	1982
1983	5.75 AT 00 55 CST ON APR 22	5.31 ON APR 22	0B ON MAR 1	2 740	1983
1984	2.79 B AT 12 23 CST ON MAR 28	2.32 B ON MAR 28	0B ON MAR 1	2 410	1984
1985	14.0 B AT 05 58 CST ON APR 11	13.5 ON APR 15	0B ON MAR 1	15 700	1985
1986	5.12 AT 10 42 CST ON MAR 31	4.38 ON MAR 30	0B ON MAR 1	3 050	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 950	MEAN

RABBIT CREEK NEAR MAKWA - STATION NO 05AD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	2.31	2.51	0.586	0.171	0.623	---	---	---	---	1933
1934	---	---	---	---	0.959	0.504	0.716	0.124	0.012	0.013	---	---	0.396	1934
1935	---	---	---	---	0.737	0.152	0.032	0.003	0.004	0.042	---	---	0.183	1935
1936	---	---	---	---	0.110	0.108	0.040	0	0	0.005	---	---	0.044	1936
1937	---	---	---	---	0.773	0.277	0.083	0.057	0	0	---	---	0.200	1937
1938	---	---	---	---	0.076	0.035	0.018	0.004	0	0	---	---	0.022	1938
1939	---	---	---	---	0.260	0.194	0.152	0.011	---	---	---	---	---	1939
1940	---	---	---	---	0.008	0.012	0.001	0	0	0	---	---	0.003	1940
MEAN	---	---	---	---	0.659	0.474	0.202	0.046	0.083	0.010	---	---	0.138	MEAN

LOCATION - LAT 54 03 29 N DRAINAGE AREA 280 km²
LONG 108 51 07 W NATURAL FLOW

RABBIT CREEK NEAR MAKWA - STATION NO 05AD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	5.21 ON MAY 28 *	0 ON AUG 31 *	---	1933
1934	---	2.58 ON MAY 1	0.006 ON SEP 7	6 300	1934
1935	---	1.42 ON MAY 1	0 ON AUG 6	2 580	1935
1936	---	0.136 ON JUN 18	0 ON JUL 28	697	1936
1937	---	1.15 ON MAY 17	0 ON JUL 3	3 190	1937
1938	---	0.088 ON MAY 10	0 ON JUL 31	352	1938
1939	---	---	0 ON AUG 17	---	1939
1940	---	0.023 ON JUN 1	0 ON JUL 8	53.5	1940
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 200	MEAN

RADOUGA CREEK NEAR BLAINE LAKE - STATION NO 05GE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.047	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	0.118	0.005	---	---	---	---	---	---	---	---	1965
1966	---	---	0	0.083	0.005	---	---	---	---	---	---	---	---	1966
1967	---	---	0	0.001	0	---	---	---	---	---	---	---	---	1967
1968	---	---	0.002	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	0.848	---	---	---	---	---	---	---	---	---	1969
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	0.087	0.032	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.425	1.24	1.31	0.859	0.442	0.106	0.075	---	---	0.558	1975
1976	---	---	0	0.440	0.207	0.013	0.011	0	0	0	---	---	0.083	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.003	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0.462	0.423	0.105	0.010	0	0	0	---	---	0.124	1979
1980	---	---	0	0.014	0	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0.048	0	0	0	0	0	0	---	---	0.006	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0.174	0.500	0.132	0.136	0.081	0.079	0.043	---	---	0.143	1985
1986	---	---	0.049	0.357	0.307	0.078	0.015	0.003	0	0	---	---	0.101	1986
MEAN	---	---	0.003	0.162	0.170	0.137	0.086	0.044	0.015	0.010	---	---	0.085	MEAN

LOCATION - LAT 52 41 37 N DRAINAGE AREA 1 150 km^2
LONG 106 52 28 W NATURAL FLOW

RADOUGA CREEK NEAR BLAINE LAKE - STATION NO 05GE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0B ON MAR 1 *	---	1964
1965	---	0.486 ON APR 21	0B ON MAR 1	---	1965
1966	---	0.181 ON APR 7	0B ON MAR 1	---	1966
1967	---	---	0B ON MAR 1	---	1967
1968	---	---	0B ON MAR 1	---	1968
1969	---	2.10 ON APR 15	0B ON MAR 1	---	1969
1972	---	---	0 ON APR 30	---	1972
1974	---	0.283 ON APR 21	0B ON MAR 1	---	1974
1975	---	1.55 ON JUN 5	0B ON MAR 1	11 800	1975
1976	---	1.10 ON APR 11	0B ON MAR 1	1 780	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	0.009 ON APR 5	0B ON MAR 1	7.17	1978
1979	---	2.28 ON APR 26 *	0B ON MAR 1	2 630	1979
1980	---	0.230 ON APR 14	0B ON MAR 1	35.7	1980
1981	---	0.0028 ON MAR 17	0B ON MAR 1	0.85	1981
1982	0 B AT 00 01 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1982
1983	---	0.4448 ON APR 6	0B ON MAR 1	128	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	1.09 ON APR 28	0B ON MAR 1	3 030	1985
1986	0.835 AT 07 24 CST ON APR 7 *	0.491 ON APR 18	0B ON MAR 1	2 130	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 790	MEAN

RANCH CREEK ABOVE RANCH LAKE - STATION NO 05MA025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.786	0.146	0.003	0	0	0	0	0	---	---	0.118	1986
MEAN	---	---	0.786	0.146	0.003	0	0	0	0	0	---	---	0.118	MEAN

LOCATION - LAT 52 24 19 N DRAINAGE AREA 170 km^2
LONG 104 47 19 W NATURAL FLOW

RANCH CREEK ABOVE RANCH LAKE - STATION NO 05MA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	5.088 AT 14:38 CST ON MAR 28 *	4.368 ON MAR 28 *	0.0 ON MAR 1 *	2 500	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 500	MEAN

RANCH CREEK NEAR ANNAHEIM - STATION NO 05MA014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	0.836	0.023	0.016	0.104	0.019	0	0	---	---	0.123	1971
1972	---	---	0	1.84	0.247	0.003	0	0	0	0	---	---	0.232	1972
1973	---	---	0.011	0.007	0.008	0.106	0.002	0	0	0	---	---	0.016	1973
1974	---	---	0	1.35	0.170	0.018	0	0.009	0.007	0.005	---	---	0.182	1974
1975	---	---	0	0.905	0.209	0.014	0	0	0	0	---	---	0.139	1975
1976	---	---	0	0.865	0.008	0.031	0.027	0	0	0	---	---	0.114	1976
1977	---	---	0.003	0.012	0.003	0	0	0	0	0	---	---	0.002	1977
1978	---	---	0.122	0.375	0.008	0.005	0	0	0	0	---	---	0.063	1978
1979	---	---	0	1.46	0.185	0.005	0	0	0	0	---	---	0.202	1979
1980	---	---	0	0.928	0.001	0	0	0	0	0	---	---	0.114	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.010	0.288	0.009	0.004	0.624	0.017	0.004	0.004	---	---	0.118	1982
1983	---	---	0	0.668	0.081	0.031	0.036	0.002	0	0	---	---	0.088	1983
1984	---	---	0.121	0.080	0.014	0.010	0	0	0	0	---	---	0.026	1984
1985	---	---	0	1.97	0.070	0.013	0.001	0	0	0	---	---	0.252	1985
MEAN	---	---	0.018	0.756	0.068	0.017	0.053	0.003	0.001	0.001	---	---	0.113	MEAN

LOCATION - LAT 52 20 45 N LONG 104 48 40 W
DRAINAGE AREA 69.7 km^2
NATURAL FLOW

RANCH CREEK NEAR ANNAHEIM - STATION NO 05MA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	5.78 AT 18:00 CST ON APR 14	5.47 ON APR 14	0.0 ON MAR 1 *	2 800	1971
1972	9.32 B AT 07:33 CST ON APR 19	7.02 B ON APR 19	0.0 ON MAR 1	4 830	1972
1973	0.756 AT 20:24 CST ON JUN 4	0.476 ON JUN 5	0.0 ON MAR 1	350	1973
1974	11.3 AT 00:04 CST ON APR 20 *	8.24 B ON APR 19 *	0.0 ON MAR 1	4 070	1974
1975	6.65 AT 09:14 CST ON APR 20	4.63 ON APR 20	0.0 ON MAR 1	2 950	1975
1976	5.24 AT 22:39 CST ON APR 8	5.10 ON APR 9	0.0 ON MAR 1	2 420	1976
1977	0.276 AT 07:14 CST ON APR 8	0.089 ON APR 8	0.0 ON MAR 1	45 ?	1977
1978	---	2.07 B ON MAR 30	0.0 ON MAR 1	1 330	1978
1979	8.99 B AT 10:00 CST ON APR 22	5.64 ON APR 24	0.0 ON MAR 1	4 270	1979
1980	8.35 B AT 10:00 CST ON APR 11	4.51 B ON APR 11	0.0 ON MAR 1	2 410	1980
1981	0.011 AT 13:45 CST ON MAR 29	0.004 ON MAR 29	0.0 ON MAR 1	0.80	1981
1982	7.72 AT 04:37 CST ON JUL 15	5.98 ON JUL 15	0.0 ON MAR 1	2 480	1982
1983	4.72 B AT 08:05 CST ON APR 19	3.67 B ON APR 19	0.0 ON MAR 1	2 080	1983
1984	1.88 B ON MAR 27	0.8288 ON MAR 27	0.0 ON MAR 1	844	1984
1985	9.39 AT 22:31 CST ON APR 13	7.80 ON APR 13	0.0 ON MAR 1	5 340	1985
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 390	MEAN

RANCH CREEK NEAR ANNAHEIM - STATION NO 05MA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	0	0	---	---	---	1968
1969	---	---	0	0.889	0	0	0	0	0	0	---	---	0.082	1969
1970	---	---	0	0.578	0.017	0	0	0	0	0	---	---	0.073	1970
MEAN	---	---	0	0.624	0.009	0	0	0	0	0	---	---	0.078	MEAN

LOCATION - LAT 52 19 05 N LONG 104 49 57 W
DRAINAGE AREA 40.4 km^2
NATURAL FLOW

RANCH CREEK NEAR ANNAHEIM - STATION NO 05MA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	3.378 ON APR 10 *	0.0 ON MAR 1 *	1 730	1969
1970	---	2.88 ON APR 13	0.0 ON MAR 1	1 550	1970
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 640	MEAN

RAPID RIVER AT OUTLET OF LAC LA BONGE - STATION NO. 05CB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	28.2	28.6	27.4	27.9	30.7	36.6	41.8	39.0	36.0	31.9	30.0	29.4	32.4	1959
1960	28.7	28.1	28.9	27.8	31.2	44.3	49.3	47.2	43.3	37.4	34.2	32.7	36.0	1960
1961	32.6	31.7	32.0	32.9	36.0	42.4	39.8	36.1	29.8	26.1	24.6	24.2	32.3	1961
1962	24.0	24.0	23.3	23.1	24.4	31.1	31.4	28.9	24.3	22.3	20.3	19.4	24.7	1962
1963	19.3	19.1	18.7	18.8	19.1	22.3	32.4	35.9	35.2	32.5	29.7	27.3	25.9	1963
1964	26.9	26.6	26.6	26.1	27.7	29.0	26.1	23.9	24.5	25.9	25.1	24.3	26.1	1964
1965	24.8	24.9	25.0	24.7	26.3	33.9	39.1	41.4	39.5	37.7	36.4	36.3	32.7	1965
1966	37.1	36.7	36.3	34.4	33.9	37.0	43.6	47.5	44.9	41.3	38.2	38.3	38.7	1966
1967	36.1	36.1	35.4	34.1	34.3	39.0	44.1	46.0	40.3	41.3	38.2	36.0	38.3	1967
MEAN	28.8	28.4	27.6	27.7	29.8	36.1	38.6	38.4	35.3	32.9	30.3	29.5	31.9	MEAN

LOCATION - LAT 55 19 43 N DRAINAGE AREA, 15 500 km²
LONG 104 32 36 W REGULATED SINCE 1966

RAPID RIVER AT OUTLET OF LAC LA BONGE - STATION NO. 05CB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	42.6E ON JUL 13	26.6 ON MAR 8	1 020 000	1959
1960	---	49.8 ON JUL 10 *	24.6 ON MAR 27	1 140 000	1960
1961	---	43.6 ON JUN 5	24.1 ON NOV 5	1 020 000	1961
1962	---	34.0E ON JUN 26	19.1 ON DEC 2	779 000	1962
1963	---	36.6 ON AUG 15	18.3 ON APR 28 *	817 000	1963
1964	---	30.6 ON MAY 24	23.2E ON AUG 16	825 000	1964
1965	---	41.9 ON AUG 1	24.4 ON FEB 1	1 030 000	1965
1966	---	48.1E ON AUG 27	33.4 ON MAY 15	1 220 000	1966
1967	---	47.0 ON AUG 8	33.4E ON APR 22	1 210 000	1967
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 010 000	MEAN

E - ESTIMATED

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05AA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	11.6	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	3.52	---	---	---	---	---	---	---	1967
1969	---	---	---	2.21	---	---	---	---	---	---	---	---	---	1969
1972	---	---	---	---	27.1	---	---	---	---	---	---	---	---	1972
1974	---	---	---	5.22	26.2	12.1	---	---	---	---	---	---	---	1974
1975	---	---	0	4.86	23.1	5.68	0.058	0.010	0.005	0.005	---	---	4.33	1975
1976	---	---	0	5.67	7.35	0.442	2.52	0.488	0.032	0.006	---	---	2.20	1976
1977	---	---	0	1.25	1.42	0.218	0.010	0	0.001	0	---	---	0.361	1977
1978	---	---	0	1.20	1.78	1.75	0.426	0.048	0.087	0.043	---	---	0.681	1978
1979	---	---	0	4.01	30.4	5.24	1.97	0.289	0.011	0.006	---	---	5.35	1979
1980	---	---	0	0.910	1.23	0.014	0.008	0.026	0.003	0.116	---	---	0.284	1980
1981	---	---	0.015	0.726	1.02	0.276	0.135	0.026	0.017	0.048	---	---	0.281	1981
1982	---	---	0	0.383	0.378	0.482	0.648	0.324	0.216	0.117	---	---	0.316	1982
1983	---	---	0	0.227	1.55	1.41	1.17	0.355	0.249	0	---	---	0.820	1983
1984	---	---	0.004	1.82	3.14	2.20	1.45	0.150	0.008	0.049	---	---	1.10	1984
1985	---	---	0	9.85	10.5	1.71	0.309	1.03	0.039	0.254	---	---	2.95	1985
1986	---	---	0	3.02	3.18	2.82	0.286	0.007	0.005	0.019	---	---	1.18	1986
MEAN	---	---	0.002	3.08	10.0	2.76	0.758	0.230	0.054	0.055	---	---	1.63	MEAN

LOCATION - LAT 52 26 05 N DRAINAGE AREA, 1 870 km²
LONG 103 41 48 W REGULATED

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05LA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	---	32.8 ON MAY 5	08 ON MAR 1 *	91 400	1975
1976	---	23.8 ON APR 27	08 ON MAR 1	46 800	1976
1977	---	2.47 ON APR 21	08 ON MAR 1	7 850	1977
1978	8.20 AT 21 07 CST ON MAY 4	5.86 ON APR 26	08 ON MAR 1	14 000	1978
1979	44.2 AT 17 04 CST ON MAY 5 *	43.4 ON MAY 6 *	08 ON MAR 1	111 000	1979
1980	2.21 AT 14 45 CST ON APR 28	2.03 ON APR 29	08 ON MAR 1	6 100	1980
1981	5.32 AT 20 41 CST ON MAY 17	3.76 ON MAY 18	08 ON MAR 1	5 880	1981
1982	6.01 AT 23 38 CST ON JUL 22	5.94 ON JUL 23	08 ON MAR 1	6 890	1982
1983	7.27 AT 23 42 CST ON JUN 5	7.00 ON JUN 6	08 ON MAR 1	13 100	1983
1984	9.20 AT 14 15 CST ON JUN 1	6.27 ON MAY 27	08 ON MAR 1	23 300	1984
1985	25.4 AT 22 40 CST ON APR 30	24.6 ON APR 23	08 ON MAR 1	82 500	1985
1986	12.0 AT 20 22 CST ON APR 19	10.4 ON APR 13	08 ON MAR 1	24 500	1986
				34 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR ERWOOD - STATION NO. 05LC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	193	288	78.1	48.2	71.3	51.0	---	---	---	1954
1955	---	---	---	---	232	50.8	14.5	4.20	1.54	2.60	---	---	---	1955
1956	---	---	---	18.0	158	47.0	32.0	7.29	5.04	4.02	---	---	---	1956
1957	---	---	1.42	104	126	24.3	7.54	2.22	3.33	1.55	---	---	---	1957
1958	---	---	0.870	23.0	11.9	6.13	8.09	0.864	3.28	7.23	---	---	---	1958
1959	---	---	0.884	33.7	33.6	12.3	19.8	3.15	9.56	12.3	---	---	---	1959
1960	---	---	1.82	85.3	74.6	42.0	9.63	4.19	0.322	0.833	---	---	---	1960
1961	---	---	3.82	13.2	14.6	2.47	0.141	0.067	0.021	0.253	---	---	---	1961
1962	---	---	0	32.9	34.3	4.59	0.718	0.418	1.76	1.83	---	---	---	1962
1963	---	---	0.231	16.1	6.99	5.21	7.23	2.14	2.77	1.67	---	---	---	1963
1964	---	---	---	---	46.7	3.58	1.91	1.91	8.85	8.46	---	---	---	1964
1965	---	---	0.453	24.3	60.4	121	47.0	14.4	10.4	10.9	---	---	---	1965
1966	---	---	0.818	80.7	79.5	80.8	38.7	13.6	7.21	4.53	---	---	---	1966
1967	---	---	1.53	4.98	132	25.6	3.89	3.17	0.235	0.756	---	---	---	1967
1968	---	---	3.32	18.0	11.6	14.4	24.5	7.44	9.84	5.79	---	---	---	1968
1969	---	---	1.13	88.6	18.3	4.51	2.64	1.92	0.629	9.46	---	---	---	1969
1970	---	---	1.01	36.8	81.4	34.6	50.9	6.33	2.89	5.70	---	---	---	1970
1971	---	---	1.12	76.2	27.9	9.56	10.4	5.52	1.62	11.2	---	---	---	1971
1972	---	---	0.970	109	184	23.2	7.08	2.34	0.887	2.11	---	---	---	1972
1973	---	---	0.268	15.0	20.9	80.7	51.1	9.79	3.40	2.89	2.62	2.28	---	1973
1974	1.34	1.32	1.41	84.2	148	55.8	8.57	6.88	11.8	11.5	4.04	2.50	28.3	1974
1975	2.20	2.20	2.26	51.4	110	50.7	12.7	2.99	5.84	9.89	4.07	1.81	21.4	1975
1976	1.28	1.88	1.33	94.9	25.9	83.0	29.0	5.38	1.21	1.58	0.418	0.095	16.2	1976
1977	0.076	0.033	0.060	8.82	11.8	5.06	2.39	5.21	10.4	7.46	3.90	1.86	4.77	1977
1978	0.770	0.322	0.282	54.0	38.6	11.3	5.37	13.8	11.3	15.9	9.61	2.44	13.8	1978
1979	0.619	0.372	0.458	76.3	177	78.5	10.5	1.95	0.846	1.33	2.52	1.57	29.4	1979
1980	0.710	0.885	0.900	22.6	8.65	1.31	4.60	6.18	8.74	9.00	1.97	0.831	5.18	1980
1981	0.288	0.109	1.88	11.1	9.35	3.82	4.16	2.37	0.870	10.2	6.83	0.514	4.28	1981
1982	0.158	0.070	0.135	20.4	18.4	26.2	4.28	3.20	2.28	3.55	0.681	0.290	8.48	1982
1983	0.842	0.555	0.550	31.5	38.3	41.0	55.2	8.24	11.6	6.97	5.02	2.15	17.0	1983
1984	0.983	1.06	1.37	55.3	76.7	72.2	10.5	1.04	0.892	6.08	4.87	2.63	19.8	1984
1985	1.32	1.03	1.10	83.4	88.5	26.0	9.59	8.51	3.30	7.01	3.07	1.24	18.7	1985
1986	1.13	0.822	1.41	76.6	43.7	16.0	6.33	3.80	1.04	3.54	1.85	1.20	13.0	1986
MEAN	0.917	0.786	1.08	46.6	68.8	39.1	17.6	6.31	6.46	7.27	3.67	1.51	16.2	MEAN

LOCATION - LAT 52 51 35 N DRAINAGE AREA, 11 000 km^2
LONG 102 11 35 W NATURAL FLOW

REMARKS - STATION LOCATED IN SE11-40-02-W3 PRIOR TO AUG 1975

RED DEER RIVER NEAR ERWOOD - STATION NO. 05LC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	479 ON JUN 11 *	---	---	1954
1955	---	476 E ON MAY 8	---	---	1955
1956	---	238 ON MAY 13	---	---	1956
1957	---	368 ON APR 24	0.934 ON AUG 24	---	1957
1958	---	36.5 ON APR 7	0.1138 ON MAR 1	---	1958
1959	---	87.2 ON JUN 30	0.2838 ON MAR 1	---	1959
1960	---	192 ON APR 21	0.127 ON SEP 24	---	1960
1961	---	25.9 ON APR 22	0.011 ON SEP 15	---	1961
1962	---	184 ON APR 23	0 B ON MAR 1 *	---	1962
1963	---	36.08 ON APR 15	0.1428 ON MAR 1	---	1963
1964	---	---	---	---	1964
1965	---	391 ON JUN 5	0.4538 ON MAR 1	---	1965
1966	---	345 ON APR 15	0.7998 ON MAR 1	---	1966
1967	---	220 ON MAY 7	0 ON SEP 8	---	1967
1968	---	106 ON JUL 2	0.8578 ON MAR 20	---	1968
1969	---	163 ON APR 14	0.345 ON AUG 27	---	1969
1970	---	183 A ON MAY 4	1.01 B ON MAR 1	---	1970
1971	---	227 B ON APR 17	0.705 ON SEP 14	---	1971
1972	462 AT 06:55 CST ON APR 27 *	439 ON APR 27	0.374 ON SEP 14	---	1972
1973	116 AT 17:12 CST ON JUL 7	115 ON JUL 7	0.0288 ON MAR 1	---	1973
1974	---	314 E ON APR 22	1.18 B ON JAN 16	893 000	1974
1975	285 AT 21:03 CST ON APR 22	205 ON APR 23	0.7708 ON DEC 14	674 000	1975
1976	171 AT 08:58 CST ON JUN 26	168 ON JUN 26	0.0118 ON NOV 30	512 000	1976
1977	---	21.28 ON APR 20	0.0188 ON FEB 11	150 000	1977
1978	178 A AT 19:00 CST ON APR 22	176 A ON APR 22	0.1228 ON MAR 20	434 000	1978
1979	311 B AT 22:27 CST ON APR 22	283 ON APR 24	0.2758 ON FEB 12	927 000	1979
1980	87.58 AT 00:47 CST ON APR 15	85.38 ON APR 15	0.1878 ON DEC 31	184 000	1980
1981	18.8 AT 12:26 CST ON OCT 20	18.8 ON OCT 20	0.0388 ON FEB 19	135 000	1981
1982	70.0 AT 11:26 CST ON JUN 2	89.5 ON JUN 2	0.0578 ON FEB 28	204 000	1982
1983	177 B AT 05:56 CST ON APR 24	155 B ON APR 24	0.3748 ON MAR 19	536 000	1983
1984	181 AT 06:48 CST ON JUN 10	178 ON JUN 10	0.183 ON SEP 6	619 000	1984
1985	192 AT 06:48 CST ON APR 15	176 ON APR 25	0.7408 ON MAR 5	589 000	1985
1986	240 AT 19:18 CST ON APR 8	197 ON APR 9	0.0928 ON FEB 23	410 000	1986
				481 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR HUDSON BAY - STATION NO. 05LC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	58.4	27.3	14.6	9.05	3.98	---	1913
1914	1.98	1.42	0.850	51.0	85.2	29.6	7.59	2.20	2.25	2.35	1.70	0.708	15.6	1914
1915	0.028	0	0.028	7.80	3.76	4.30	20.1	4.55	2.29	2.25	1.02	0.142	3.89	1915
1916	---	---	---	---	170	181	58.0	26.4	10.6	15.3	12.7	---	---	1916
1917	---	---	---	18.8	150	80.0	47.2	7.39	4.89	2.82	---	---	---	1917
1918	---	---	---	18.4	13.2	33.8	34.2	20.9	5.55	5.69	---	---	---	1918
1919	---	---	---	17.6	36.7	24.7	24.4	14.9	13.7	---	---	---	---	1919
1950	---	---	---	---	---	---	---	20.3	4.27	4.83	---	---	---	1950
1951	---	---	---	---	68.5	30.4	25.7	17.1	36.7	51.2	10.8	---	---	1951
1952	---	---	---	---	83.6	22.5	18.4	6.85	3.17	3.00	3.34	---	---	1952
1953	---	---	---	28.6	61.5	92.1	109	58.3	61.8	13.6	10.1	---	---	1953
MEAN	1.00	0.710	0.439	24.0	74.7	53.2	36.3	21.6	15.7	11.7	6.87	1.60	9.75	MEAN

LOCATION - LAT 52 49 05 N LONG 102 32 07 W DRAINAGE AREA, 10 900 km^2 NATURAL FLOW

RED DEER RIVER NEAR HUDSON BAY - STATION NO. 05LC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	112 ON MAY 11	0.7088 ON DEC 1	493 000	1914
1915	---	51.0 ON JUL 18	0 B ON FEB 1 *	123 000	1915
1916	---	---	---	---	1916
1917	---	281 ON MAY 8 *	---	---	1917
1918	---	87.7 ON JUN 30	---	---	1918
1919	---	86.6 ON MAY 17	---	---	1919
1950	---	---	---	---	1950
1951	---	253 ON MAY 2	---	---	1951
1952	---	184 ON MAY 4	---	---	1952
1953	---	237 ON JUN 28	---	---	1953
				308 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR STEEN - STATION NO. 05LB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	4.35	6.39	11.6	9.70	5.63	2.38	1.50	---	---	5.18	1965
1966	---	---	0.180	17.6	20.6	11.3	5.59	3.90	1.92	1.00	---	---	7.73	1966
1967	---	---	0.411	1.89	24.1	7.74	2.26	1.00	0.682	0.856	---	---	4.72	1967
1968	---	---	0.883	5.46	2.46	0.826	0.483	0.495	0.635	0.500	---	---	1.44	1968
1969	---	---	0.079	11.6	6.90	1.89	0.587	0.313	0.076	0.533	---	---	2.73	1969
1970	---	---	0.135	8.54	19.3	7.45	3.33	0.851	0.055	0.080	---	---	4.96	1970
1971	---	---	0.130	6.46	8.02	1.98	7.00	1.08	0.291	0.086	---	---	3.14	1971
1972	---	---	0.212	16.8	45.2	8.32	2.19	0.859	0.183	0.961	---	---	9.33	1972
1973	---	---	0.104	0.554	1.35	8.14	15.5	4.98	0.977	0.458	---	---	4.05	1973
1974	---	---	0.423	19.3	50.1	22.7	2.75	1.26	1.52	1.50	---	---	12.4	1974
1975	---	---	0.589	11.5	43.5	13.4	1.71	0.225	0.044	0.462	---	---	8.83	1975
1976	---	---	0.135	16.7	12.5	3.45	5.84	1.50	0.116	0.121	---	---	5.03	1976
1977	---	---	0.001	3.17	2.47	1.71	0.403	0.199	0.153	0.154	---	---	1.02	1977
1978	---	---	0.078	6.47	5.96	2.40	1.07	0.352	0.159	0.293	---	---	2.09	1978
1979	---	---	0.133	8.17	46.9	14.2	3.41	0.710	0.508	0.139	---	---	9.30	1979
1980	---	---	0.072	3.42	2.92	0.480	0.330	0.024	0.028	0.070	---	---	0.911	1980
1981	---	---	0.263	1.03	1.85	0.830	0.108	0.087	0.078	0.192	---	---	0.551	1981
1982	---	---	0.029	3.95	2.87	1.96	0.654	0.144	0.427	0.112	---	---	1.23	1982
1983	---	---	0.148	2.75	4.84	1.95	2.11	0.831	0.135	0.163	---	---	1.62	1983
1984	---	---	0.182	4.56	6.74	8.17	2.49	0.283	0.179	0.108	---	---	2.82	1984
1985	---	---	0.088	22.9	22.9	4.58	0.858	0.848	0.337	0.473	---	---	6.56	1985
1986	---	---	0.177	10.5	5.93	2.67	0.429	0.115	0.035	0.084	---	---	2.59	1986
MEAN	---	---	0.193	8.83	15.8	5.22	3.15	1.15	0.489	0.416	---	---	4.47	MEAN

LOCATION - LAT 52 38 16 N, LONG 103 30 56 W. DRAINAGE AREA, 3 800 km². REGULATED

RED DEER RIVER NEAR STEEN - STATION NO. 05LB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	19.9 ON JUN 28	0 B ON MAR 1 +	110 000	1965
1966	---	42.8 B ON APR 16	0.1478 ON MAR 1	184 000	1966
1967	---	42.5 B ON MAY 6	0 E ON SEP 4	100 000	1967
1968	---	11.8 B ON APR 14	0.0578 ON MAR 1	30 500	1968
1969	---	26.2 B ON APR 12	0.008 ON SEP 16	57 800	1969
1970	---	30.3 B ON APR 24	0 ON SEP 12	105 000	1970
1971	---	19.5 ON JUL 25	0.014 ON OCT 30	65 500	1971
1972	102 AT 18:59 CST ON APR 28 +	102 ON APR 28 +	0 ON SEP 13	197 000	1972
1973	---	29.7 ON JUL 5	0.0838 ON MAR 1	85 000	1973
1974	---	72.2 ON MAY 2	0.3238 ON APR 8	263 000	1974
1975	84.6 AT 09:20 CST ON APR 30	84.3 ON MAY 3	0 ON AUG 26	189 000	1975
1976	32.3 AT 18:00 CST ON APR 29	31.7 ON APR 29	0.051E ON SEP 17	108 000	1976
1977	---	5.248 ON APR 14	0 B ON MAR 1	21 700	1977
1978	18.9 B AT 08:41 CST ON APR 22	17.5 ON APR 25	0 ON SEP 8	44 200	1978
1979	86.3 AT 20:25 CST ON MAY 4	86.2 ON MAY 5	0.005 ON SEP 28	197 000	1979
1980	6.87 AT 23:00 CST ON APR 23	6.74 ON APR 25	0 ON AUG 3	19 300	1980
1981	6.65 AT 05:27 CST ON MAY 19	5.41 ON MAY 19	0.010E ON JUL 10	11 700	1981
1982	12.2 B AT 10:15 CST ON APR 19	9.938 ON APR 20	0 ON OCT 8	26 000	1982
1983	12.4 B AT 15:44 CST ON APR 24	10.5 B ON APR 24	0.047 ON SEP 18	34 300	1983
1984	13.7 AT 21:04 CST ON JUN 18	13.5 ON MAY 29	0.026 ON OCT 15	59 700	1984
1985	58.1 AT 07:29 CST ON APR 25	57.9 ON APR 25	0.0088 ON MAR 1	139 000	1985
1986	24.5 B AT 14:46 CST ON APR 8	21.3 E ON APR 13	0 ON SEP 10	54 800	1986
				84 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
+ - EXTREME RECORDED FOR THE PERIOD OF RECORD

REINDEER RIVER ABOVE DEVIL RAPIDS - STATION NO. 06DD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	89.9R	114 R	168R	237R	390R	473R	---	1985
1986	544	580	534	434	374	133	157	82.5	185	295	403	449	343	1986
MEAN	544	580	534	434	374	133	113 R	88.3R	176R	266R	397R	461R	343	MEAN

LOCATION - LAT 58 11 35 N, LONG 103 09 31 W. DRAINAGE AREA, 63 300 km². REGULATED SINCE 1938

R - REVISED SINCE JAN 1980

REINDEER RIVER ABOVE DEVIL RAPIDS - STATION NO. 06DD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	---	---	1985
1986	570 AT 15:54 CST ON FEB 4 +	568 ON FEB 3 +	47.3 ON SEP 3 +	10 800 000	1986
		+ - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 800 000	MEAN

REINDEER RIVER AT OUTLET OF REINDEER LAKE - STATION NO 06DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	---	---	---	---	---	---	---	189	220	228	---	1938
1939	245	241	235	233	207	297	309	429	449	407	375	361	316	1939
1940	347	331	305	286	264	289	265	257	242	268	281	245	281	1940
1941	250	248	241	234	197	206	182	228	213	236	240	248	226	1941
1942	286	287	288	247	245	203	147	191	247	322	286	311	251	1942
1943	306	328	337	308	238	189	161	188	208	234	218	221	242	1943
1944	232	253	251	201	178	146	173	152	197	347	307	305	229	1944
1945	300	293	287	286	294	289	292	293	295	294	285	286	293	1945
1946	291	286	279	294	288	298	307	548	645	270	227	274	351	1946
1947	273	270	267	265	232	633	805	289	232	83.1	219	346	326	1947
1948	437	429	414	405	404	661	771	481	289	291	292	292	431	1948
1949	290	288	284	282	290	309	718	788	721	421	412	413	436	1949
1950	408	403	394	387	383	415	417	416	384	295	286	287	374	1950
1951	286	311	311	306	313	329	418	421	414	313	306	302	337	1951
1952	303	340	334	288	271	264	135	120	122	144	214	215	228	1952
1953	247	262	274	297	297	289	300	300	289	301	301	301	290	1953
1954	300	297	295	291	291	298	322	512	395	293	291	250	320	1954
1955	209	223	291	289	125	217	219	219	217	396	414	408	288	1955
1956	401	395	387	378	260	220	171	130	176	170	187	206	256	1956
1957	226	233	230	196	112	0	0	22.5	134	202	218	288	155	1957
1958	286	283	280	277	282	289	293	292	293	294	293	293	288	1958
1959	291	288	284	280	281	422	508	502	495	454	280	280	384	1959
1960	278	275	271	211	221	390	689	641	618	448	289	273	385	1960
1961	226	291	288	287	291	285	216	218	261	277	300	384	275	1961
1962	401	413	406	401	341	306	317	380	375	344	315	353	362	1962
1963	391	436	425	415	285	272	219	232	284	309	387	371	331	1963
1964	418	413	446	416	328	213	241	295	416	385	384	383	361	1964
1965	380	416	421	413	285	278	283	284	284	282	283	282	324	1965
1966	330	364	413	353	322	288	256	257	257	331	285	294	311	1966
1967	395	400	394	386	306	259	275	247	314	286	427	443	335	1967
1968	502	551	522	504	420	398	373	401	384	376	389	440	438	1968
1969	480	482	450	439	351	303	323	381	309	270	347	399	374	1969
1970	444	441	456	455	395	290	48.4	0	0	34.6	83.2	142	229	1970
1971	152	30.0	31.5	32.9	36.1	43.6	401	507	391	328	346	428	229	1971
1972	488	478	477	475	325	305	312	312	313	312	327	427	377	1972
1973	475	482	500	487	391	192	156	159	158	158	161	161	289	1973
1974	194	256	310	334	232	377	247	288	328	216	218	220	287	1974
1975	271	383	380	468	443	323	335	437	432	324	214	283	356	1975
1976	367	382	408	314	265	281	217	305	681	827	434	433	389	1976
1977	483	513	502	434	352	725	859	848	543	425	427	473	545	1977
1978	538	525	484	455	391	282	207	213	403	542	433	431	408	1978
1979	480	493	482	470	480	391	148	127	228	308	308	385	346	1979
1980	421	475	482	435	314	403	611	448	397	390	388	447	417	1980
1981	443	432	422	374	275	210	189	283	372	424	434	420	355	1981
1982	403	383	333	254	119	20.5	0	35.6	70.4	184	376	449	215	1982
1983	436	423	410	332	145	32.5	0	61.6	276	301	382	435	289	1983
1984	463	486	489	380	382	354	291	184	184	314	385	419	380	1984
1985	434	446	362	323	118	84.4	3.87	87.5	131	194	324	384	238	1985
1986	444	440	425	347	286	84.2	104	19.3	189	246	350	388	272	1986
MEAN	352	361	359	338	281	282	293	299	319	303	309	333	318	MEAN

LOCATION - LAT 56 14 00 N
LONG 103 09 00 W

DRAINAGE AREA, 80 500 km²
REGULATED SINCE 1929

DATA CONTRIBUTED BY -
CHURCHILL RIVER POWER COMPANY

REINDEER RIVER AT OUTLET OF REINDEER LAKE - STATION NO. 08DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1938	---	---	---	---	1938
1939	---	558 ON SEP 3	175 ON MAY 8	9 970 000	1939
1940	---	371 ON FEB 26	217 ON JUL 30	8 900 000	1940
1941	---	467 ON AUG 10	181 ON MAY 19	7 140 000	1941
1942	---	371 ON NOV 14	143 ON JUL 8	7 510 000	1942
1943	---	348 ON MAR 19	103 ON AUG 1	7 640 000	1943
1944	---	395 ON OCT 8	116 ON JUN 5	7 230 000	1944
1945	---	326 ON SEP 23	285 ON AUG 19	9 230 000	1945
1946	---	923 ON AUG 28 *	222 ON NOV 12	11 100 000	1946
1947	---	867 ON JUN 24	74.8 ON OCT 12	10 300 000	1947
1948	---	816 ON JUN 17	283 ON SEP 16	13 800 000	1948
1949	---	807 ON JUL 17	280 ON APR 2	13 700 000	1949
1950	---	422 ON JUL 10	286 ON SEP 23	11 800 000	1950
1951	---	426 ON AUG 19	294 ON JAN 11	10 800 000	1951
1952	---	343 ON JAN 29	115 ON JUL 8	7 230 000	1952
1953	---	306 ON JUL 22	215 ON JAN 1	9 140 000	1953
1954	---	725 ON JUL 31	208 ON DEC 17	10 100 000	1954
1955	---	428 ON OCT 10	0 ON MAY 10 *	8 480 000	1955
1956	---	405 ON JAN 1	78.6E ON AUG 14	8 110 000	1956
1957	---	289 ON NOV 30	0 ON MAY 28	4 880 000	1957
1958	---	303 ON SEP 13	276 ON APR 11	9 080 000	1958
1959	---	518 ON JUL 29	271 ON OCT 30	11 500 000	1959
1960	---	719 ON JUL 7	188 E ON APR 6	12 200 000	1960
1961	---	371 ON DEC 5	212 ON JUL 9	8 870 000	1961
1962	---	422 ON JAN 14	286 ON MAY 18	11 400 000	1962
1963	---	442 ON JAN 25	205 ON JUL 7	10 500 000	1963
1964	---	493 ON SEP 20	204 ON JUN 10	11 400 000	1964
1965	---	428 ON FEB 7	288 ON MAY 4	10 200 000	1965
1966	---	416 ON FEB 26	247 ON JUN 18	9 810 000	1966
1967	---	487 ON DEC 29	210 ON SEP 22	10 800 000	1967
1968	---	581 ON FEB 3	352 ON OCT 4	13 900 000	1968
1969	---	484 ON JAN 1	251 ON OCT 12	11 800 000	1969
1970	---	470 ON APR 15	0 ON JUL 25	7 210 000	1970
1971	---	848 ON JUL 23	29.2 ON JAN 31	7 220 000	1971
1972	---	458 ON JAN 16	292 ON MAY 10	11 900 000	1972
1973	---	510 ON FEB 23	73.9 ON JUN 13	9 120 000	1973
1974	---	428 ON JUN 6	161 ON JAN 1	8 420 000	1974
1975	---	476 ON MAR 28	212 ON NOV 12	11 200 000	1975
1976	---	865 ON SEP 20	212 ON JUL 3	12 300 000	1976
1977	---	875 ON JUL 27	323 ON MAY 5	17 300 000	1977
1978	---	854 ON SEP 22	202 ON JUN 15	12 900 000	1978
1979	---	503 ON JAN 19	122 ON JUL 11	10 900 000	1979
1980	---	500 ON FEB 9	286 ON APR 29	13 200 000	1980
1981	---	474 ON NOV 15	183 ON MAY 29	11 200 000	1981
1982	---	459 ON NOV 28	0 ON JUN 19	5 820 000	1982
1983	---	444 ON DEC 6	0 ON JUN 14	8 480 000	1983
1984	---	507 ON JAN 25	182 ON AUG 9	11 400 000	1984
1985	---	485 ON FEB 14	0 ON JUL 3	7 540 000	1985
1986	---	495 ON SEP 25	18.0 ON JUL 30	8 590 000	1986
				10 100 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RICHARDSON DITCH NEAR CONSUL - STATION NO 11AB058

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0.035	0.021	0	0	0.001	---	---	0.007	1918
1919	---	---	0	0	0.056	0.033	0	---	---	---	---	---	---	1919
1920	---	---	0	0	0.013	0.025	0.032	0	0	0	---	---	0.009	1920
1921	---	---	0	0	0	---	---	---	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1946	---	---	0	0	0.031	0.142	0.059	0.020	0	0	---	---	0.031	1946
1947	---	---	0	0	0	0.152	0.122	0.002	0	0	---	---	0.034	1947
1948	---	---	0	0	0	0	0.257	0	0	0	---	---	0.032	1948
1949	---	---	0	0.094	0.494	0.318	0.257	0.018	0	0	---	---	0.148	1949
1950	---	---	0	0	0.033	0.107	0.241	0.021	0	0	---	---	0.050	1950
1951	---	---	0	0	0	0.084	0.139	0.116	0	0	---	---	0.040	1951
1952	---	---	0	0	0	0.083	0.094	0.087	0	0	---	---	0.033	1952
1953	---	---	0	0	0	0.006	0.319	0.143	0.006	0	---	---	0.060	1953
1954	---	---	0	0	0.012	0.272	0.204	0.205	0	0	---	---	0.067	1954
1955	---	---	0	0	0.004	0.302	0.061	0.228	0.034	0.001	---	---	0.078	1955
1956	---	---	0	0	0.035	0.560	0.143	0.244	0.001	0.023	---	---	0.125	1956
1957	---	---	0	0.028	0.407	0.066	0.420	0.228	0.001	0	---	---	0.145	1957
1958	---	---	0	0	0.353	0.358	0.336	0.227	0	0	---	---	0.180	1958
1959	---	---	0	0	0.357	0.086	0.281	0.234	0	0	---	---	0.121	1959
1960	---	---	0	0.003	0.203	0.267	0.531	0.087	0	0.005	---	---	0.137	1960
1961	---	---	0	0	0.386	0.183	0.501	0.001	0	0	---	---	0.132	1961
1962	---	---	0	0	0.412	0.094	0	0	0	0	---	---	0.084	1962
1963	---	---	0	0	0.827	0.011	0	0	0	0	---	---	0.081	1963
1964	---	---	0	0	0.363	0.205	0.001	0	0	0	---	---	0.071	1964
1965	---	---	0	0	0.295	0.180	0.014	0.286	0.001	0	---	---	0.098	1965
1966	---	---	0	0	0.275	0.243	0.185	0.153	0.006	0.006	---	---	0.110	1966
1967	---	---	0	0	0	0.550	0.343	0.230	0.003	0	---	---	0.140	1967
1968	---	---	0.001	0.001	0.547	0.001	0.556	0.025	0.001	0.001	---	---	0.143	1968
1969	---	---	0	0.001	0.385	0.087	0.455	0.184	0	0	---	---	0.141	1969
1970	---	---	0	0	0.571	0.390	0.419	0.002	0.001	0	---	---	0.173	1970
1971	---	---	0	0	0.526	0	0.670	0.020	0	0	---	---	0.154	1971
1972	---	---	0	0	0.578	0	0.639	0.011	0	0	---	---	0.158	1972
1973	---	---	0	0	0.622	0	0.623	0.049	0	0	---	---	0.164	1973
1974	---	---	0	0	0.002	0.680	0.531	0.011	0	0	---	---	0.162	1974
1975	---	---	0.001	0.001	0.001	0.585	0.426	0.037	0.001	0.001	---	---	0.131	1975
1976	---	---	0	0	0.586	0.002	0.357	0.042	0.001	0.001	---	---	0.123	1976
1977	---	---	0	0.002	0.840	0	0.532	0.001	0.003	0.001	---	---	0.149	1977
1978	---	---	0	0.001	0.077	0.487	0	0	0.001	0.001	---	---	0.071	1978
1979	---	---	0	0	0.183	0.391	0.351	0.003	0.004	0.004	---	---	0.114	1979
1980	---	---	0	0	0.598	0.002	0.383	0.003	0.003	0.002	---	---	0.126	1980
1981	---	---	0	0.150	0.463	0.002	0.002	0.002	0	0	---	---	0.078	1981
1982	---	---	0	0	0.001	0.570	0	0	0	0	---	---	0.070	1982
1983	---	---	0	0	0.554	0	0	0	0	0	---	---	0.070	1983
1984	---	---	0	0	0.321	0	0	0	0	0	---	---	0.041	1984
1985	---	---	0	0	0.327	0.349	0	0	0	0	---	---	0.064	1985
1986	---	---	0	0	0.446	0.041	0	0	0	0	---	---	0.061	1986
MEAN	---	---	0	0.005	0.193	0.132	0.175	0.050	0.001	0.001	---	---	0.071	MEAN

LOCATION - LAT 49 21 50 N
LONG 109 32 12 W REGULATED

INTERNATIONAL GAUGING STATION

RICHARDSON DITCH NEAR CONSUL - STATION NO 11AB058

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0 ON MAR 1	0 ON MAR 1 *	0	1912
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0.116E ON JUN 15	0 ON MAR 1	146	1918
1919	---	---	0 ON MAR 1	---	1919
1920	---	0.082 ON JUN 7	0 ON MAR 1	185	1920
1921	---	---	0 ON MAR 1	---	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1935	---	0 ON MAR 1	0 ON MAR 1	0	1935
1946	---	0.142E ON JUN 1	0 ON MAR 1	863	1946
1947	---	0.334 ON JUL 26	0 ON MAR 1	726	1947
1948	---	0.419E ON JUL 16	0 ON MAR 1	887	1948
1949	---	0.923E ON MAY 5	0 ON MAR 1	3 120	1949
1950	---	0.493 ON JUL 19	0 ON MAR 1	1 080	1950
1951	---	0.589 ON AUG 2	0 ON MAR 1	847	1951
1952	---	0.487 ON AUG 2	0 ON MAR 1	701	1952
1953	---	0.731 ON JUL 26	0B ON MAR 1	1 270	1953
1954	---	0.566 ON AUG 4	0 ON MAR 1	1 830	1954
1955	---	0.612 ON JUN 15	0 ON MAR 1	1 660	1955
1956	---	0.855 ON JUN 18	0 ON MAR 1	2 640	1956
1957	---	0.816 ON JUN 1	0 ON MAR 1	3 070	1957
1958	---	1.11 ON JUN 2	0B ON MAR 1	3 380	1958
1959	---	0.716 ON JUL 30	0 ON MAR 1	2 580	1959
1980	---	0.816 ON JUN 2	0 ON MAR 1	2 910	1980
1981	---	0.801 ON MAY 28	0 ON MAR 1	2 800	1981
1982	---	0.847 ON MAY 25	0 ON MAR 1	1 340	1982
1983	---	0.906 ON MAY 13	0 ON MAR 1	1 710	1983
1984	---	0.634 ON MAY 24	0 ON MAR 1	1 510	1984
1985	---	0.850A ON MAY 28	0 ON MAR 1	2 070	1985
1986	---	1.22 ON MAY 29	0 ON MAR 1	2 330	1986
1987	---	1.34 ON JUN 2	0 ON MAR 1	2 880	1987
1988	---	1.29 ON MAY 9	0E ON MAR 1	3 040	1988
1989	---	1.62 ON JUL 24	0B ON MAR 1	2 990	1989
1970	---	1.76 ON JUN 10	0E ON MAR 1	3 670	1970
1971	---	1.99 ON JUL 20	0 ON MAR 1	3 250	1971
1972	---	1.66 ON JUL 24	0 ON MAR 1	3 290	1972
1973	---	1.25 ON MAY 16	0 ON MAR 1	3 470	1973
1974	---	2.03 ON JUN 15 *	0B ON MAR 1	3 210	1974
1975	---	1.70 ON JUN 14	0 ON JUN 28	2 770	1975
1976	---	1.42 ON MAY 19	0 ON MAR 1	2 800	1976
1977	---	1.48 ON MAY 10	0E ON MAR 1	3 150	1977
1978	---	1.69 ON JUN 8	0E ON MAR 1	1 510	1978
1979	---	1.92 ON MAY 30	0E ON MAR 1	2 420	1979
1980	---	1.39 ON MAY 21	0 ON MAR 1	2 880	1980
1981	---	1.23 ON MAY 1	0 ON MAR 1	1 640	1981
1982	---	1.81 ON JUN 16	0 ON MAR 1	1 480	1982
1983	---	1.42 ON MAY 18	0 ON MAR 1	1 480	1983
1984	---	0.914 ON MAY 6	0 ON MAR 1	881	1984
1985	---	0.962 ON JUN 1	0 ON MAR 1	1 780	1985
1986	---	1.44 ON MAY 25	0 ON MAR 1	1 300	1986
				1 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR - STATION NO. 05HF013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.562	0	0	0	0	0	0	---	---	0.069	1969
1970	---	---	0	0.496	0	0	0	0	0	0	---	---	0.061	1970
1971	---	---	0	0.221	0.001	0	0	0	0	0	---	---	0.027	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0.239	0.012	0.004	0.002	0.042	0.001	0.001	---	---	0.037	1974
1975	---	---	0	0.378	0.014	0.001	0	0	0	0	---	---	0.048	1975
1976	---	---	0	0.181	0	0	0	0	0	0	---	---	0.020	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.038	0.001	0	0	0	0	0	---	---	0.005	1978
1979	---	---	0	0.003	0.001	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0	0.075	0.001	0	0	0	0	0	---	---	0.009	1982
1983	---	---	0.029	0.013	0	0	0	0	0	0	---	---	0.005	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0.294	0.001	0	0	0	0	0	---	---	0.036	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	0	0.002	0.131	0.002	0	0	0.002	0	0	---	---	0.017	MEAN

LOCATION - LAT 51 17 51 N DRAINAGE AREA, 25.1 km²
LONG 108 27 13 W REGULATED

RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR - STATION NO. 05HF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	0.0058 ON MAR 2	0B ON MAR 7 *	1.47	1968
1969	5.38 AT 18:00 CST ON APR 12 *	5.10 ON APR 13 *	0 ON MAR 1	1 460	1969
1970	---	4.39 B ON APR 11	0B ON MAR 1	1 290	1970
1971	1.30 AT 12 38 CST ON APR 13	1.18 ON APR 13	0B ON MAR 1	576	1971
1972	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1972
1973	---	0.0058 ON MAR 20	0B ON MAR 1	4.06	1973
1974	3.06 B ON APR 19	3.06 B ON APR 19	0B ON MAR 1	785	1974
1975	---	2.74 B ON APR 20	0B ON MAR 1	1 020	1975
1976	3.57 B AT 03 54 CST ON APR 7	1.31 B ON APR 7	0B ON MAR 1	418	1976
1977	0.020 AT 18 45 CST ON MAY 15	0.003 ON MAY 15	0 ON MAR 1	1.04	1977
1978	0.2048 AT 04 00 CST ON APR 6	0.1708 ON APR 6	0B ON MAR 1	101	1978
1979	0.010 AT 07 33 CST ON APR 22	0.010 ON APR 22	0B ON MAR 1	9.34	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	0.848 AT 03 11 CST ON APR 17	0.816 ON APR 17	0 ON MAR 1	197	1982
1983	0.334 AT 10 38 CST ON MAR 30	0.311 ON MAR 30	0 ON MAR 1	111	1983
1984	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	1.87 B AT 22 54 CST ON APR 9	1.54 B ON APR 9	0B ON MAR 1	765	1985
1986	0 R AT 00 01 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1986
				355	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

RIDGE CREEK NEAR BRIDGEFORD - STATION NO. 05JG013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.218	2.91	0.159	0.314	0.036	0.001	0.002	0.004	---	---	0.447	1970
1971	---	---	0.003	1.70	0.014	0.025	0.011	0.002	0.003	0.018	---	---	0.218	1971
1972	---	---	0.253	0.078	0.023	0.006	0.002	0.005	0.004	0.005	---	---	0.047	1972
1973	---	---	0.371	0.076	0.036	0.025	0.001	0	0.002	0.018	---	---	0.086	1973
1974	---	---	0	5.32	0.709	0.062	0.006	0.009	0.007	0.010	---	---	0.875	1974
1975	---	---	0.005	1.53	0.089	0.015	0.006	0.004	0.008	0.009	---	---	0.204	1975
1976	---	---	1.78	1.11	0.025	0.009	0.003	0.001	0.001	0.002	---	---	0.367	1976
1977	---	---	0.010	0.034	0.021	0.009	0.005	0	0.003	0.002	---	---	0.010	1977
1978	---	---	0.234	0.304	0.025	0.003	0.001	0.001	0.001	0.003	---	---	0.071	1978
1979	---	---	0.499	0.751	0.103	0.008	0.003	0	0	0.001	---	---	0.170	1979
1980	---	---	0.370	0.085	0.007	0.001	0.002	0.001	0	0	---	---	0.056	1980
1981	---	0.139	0.048	0.008	0.007	0.004	0.023	0.003	0.003	0.003	---	---	0.012	1981
1982	---	0.001	0.183	3.30	0.103	0.073	0.072	0.002	0.001	0.002	---	---	0.459	1982
1983	---	0.045	0.383	0.124	0.027	0.003	0.360	0.025	0.002	0.008	---	---	0.118	1983
1984	---	---	0.320	0.055	0.014	0.005	0	0	0	0.010	---	---	0.051	1984
1985	---	0.001	2.03	0.834	0.030	0.002	0	0	0	0	---	---	0.339	1985
1986	---	0.309	0.479	0.035	0.081	0.001	0	0	0	0.004	---	---	0.073	1986
MEAN	---	0.089	0.423	1.12	0.085	0.033	0.031	0.003	0.002	0.005	---	---	0.211	MEAN

LOCATION - LAT 50 57 05 N DRAINAGE AREA, 480 km²
LONG 108 19 46 W NATURAL FLOW

RIDGE CREEK NEAR BRIDGEFORD - STATION NO. 05JG013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	23.0 AT 19:52 CST ON APR 7	20.9 ON APR 8	0 ON AUG 24 *	9 470	1970
1971	20.8 B AT 20:47 CST ON APR 7	15.5 B ON APR 7	0 ON AUG 24	4 600	1971
1972	2.388 AT 20:06 CST ON MAR 18	1.38 B ON MAR 19	0B ON MAR 1	1 000	1972
1973	2.868 AT 19:30 CST ON MAR 11	2.42 B ON MAR 11	0B ON MAR 1	1 400	1973
1974	36.8 AT 06:34 CST ON APR 22 *	33.1 ON APR 22 *	0B ON MAR 1	18 500	1974
1975	7.76 AT 13:10 CST ON APR 14	5.95 ON APR 15	0B ON MAR 1	4 320	1975
1976	22.2 B AT 21:19 CST ON MAR 30	17.8 B ON MAR 31	0B ON MAR 1	7 780	1976
1977	1.09 AT 16:48 CST ON MAY 26	0.102 ON APR 12	0 ON AUG 4	221	1977
1978	3.03 AT 22:55 CST ON MAR 29	2.20 ON MAR 30	0 ON JUN 15	1 500	1978
1979	5.178 AT 20:04 CST ON APR 17	4.14 B ON APR 17	0 ON JUL 20	3 600	1979
1980	3.538 AT 22:12 CST ON MAR 22	1.45 B ON MAR 20	0B ON MAR 8	1 180	1980
1981	2.08 AT 08:15 CST ON JUL 19	0.382 ON JUL 19	0 ON JUL 11	264	1981
1982	24.7 B AT 00:15 CST ON APR 14	22.5 B ON APR 14	0 ON AUG 9	9 720	1982
1983	3.51 AT 12:39 CST ON JUL 21	2.17 B ON MAR 12	0 ON AUG 21	2 480	1983
1984	2.058 AT 19:49 CST ON MAR 20	1.56 B ON MAR 20	0 ON JUN 17	1 080	1984
1985	18.7 AT 21:53 CST ON MAR 20	11.7 B ON MAR 20	0 ON JUN 24	7 170	1985
1986	---	4.30 B ON MAR 1	0 ON JUN 23	1 550	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 480	MEAN

ROCK CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.253	0.212	0.243	0.121	0.023	0.299	---	---	---	1914
1915	---	---	---	2.69	0.899	0.207	0.181	0.065	0.005	0.014	---	---	---	1915
1927	---	---	0.358	9.50	1.29	0.668	0.158	0.060	0.098	0.116	---	---	1.51	1927
1928	---	---	4.36	0.852	0.284	0.704	0.425	0.061	0.049	0.106	---	---	0.859	1928
1929	---	---	0.330	0.274	0.239	0.073	0.033	0.004	0.002	0.015	---	---	0.121	1929
1930	---	---	1.78	3.22	0.204	0.015	0.029	0.018	0.270	0.157	---	---	0.706	1930
1931	---	---	0.360	0.050	0.024	0.057	0.018	0.001	0	0.021	---	---	0.087	1931
1932	---	---	0.595	0.339	0.107	0.292	0.086	0.001	0	0.007	---	---	0.176	1932
1933	---	---	1.48	0.390	0.275	0.056	0.010	0.245	0.051	0.014	---	---	0.317	1933
1934	---	---	2.80	0.805	0.102	0.088	0.024	0	0	0.047	---	---	0.484	1934
1935	---	---	0.047	1.34	0.312	0.176	0.521	0.008	0	0.028	---	---	0.302	1935
1936	---	---	0	2.20	0.382	0.049	0	0	0	0	0.012	0.002	0.323	1936
1937	---	---	0.040	0.811	0.041	0.007	0.409	0	0	0.020	---	---	0.185	1937
1938	---	---	3.40	1.33	0.278	0.737	0.319	0	0.004	0.053	---	---	0.766	1938
1939	---	---	8.39	0.444	0.768	2.20	0.090	0.007	0.001	0.026	---	---	1.50	1939
1940	---	---	0.042	2.21	0.290	0.281	0.058	0.010	0	0.014	---	---	0.355	1940
1941	---	---	3.77	0.332	0.133	0.093	0.024	0	0.001	0.018	---	---	0.551	1941
1942	---	---	1.45	1.69	0.185	0.495	0.113	0.023	0.075	0.043	---	---	0.506	1942
1943	---	---	5.77	3.43	0.278	1.80	0.216	0.018	0.007	0.103	---	---	1.55	1943
1944	---	---	0.387	1.71	0.274	0.250	0.043	0.500	0.010	0.028	---	---	0.397	1944
1945	---	---	3.55	0.227	0.153	0.103	0.045	0	0	0.013	---	---	0.517	1945
1946	---	---	1.84	0.226	0.086	0.147	0.048	0	0	0.018	---	---	0.298	1946
1947	---	---	1.27	5.00	0.251	0.524	0.122	0.229	0.006	0.032	---	---	0.818	1947
1948	---	---	0.527	3.25	0.286	0.084	0.822	0.028	0.001	0.020	---	---	0.618	1948
1949	---	---	0.180	0.880	0.134	0.092	0.172	0.011	0	0.044	---	---	0.200	1949
1950	---	---	0	7.55	0.855	0.655	0.088	0.037	0.037	0.089	---	---	1.14	1950
1951	---	---	0	6.44	1.12	0.239	0.081	0.097	0.163	0.128	---	---	1.02	1951
1952	---	---	0.007	14.1	0.340	0.136	1.15	0.083	0.062	0.067	---	---	1.86	1952
1953	---	---	0.470	1.31	1.14	1.44	0.411	0.034	0.039	0.085	0.130	---	0.613	1953
1954	---	---	0.574	6.82	0.467	1.46	0.253	0.498	0.196	0.175	0.146	---	1.32	1954
1955	---	---	0.188	7.16	1.48	0.197	0.127	0.025	0.030	0.079	---	---	1.14	1955
1956	---	---	2.00	0.997	0.415	0.485	0.102	0.020	0.038	0.085	---	---	0.518	1956
1957	---	---	0.751	0.803	0.158	0.074	0.008	0	0.005	0.029	---	---	0.203	1957
1958	---	---	1.26	1.87	0.120	0.037	0.014	0	0	0.026	---	---	0.414	1958
1959	---	---	1.26	0.516	0.141	0.378	0.106	0	0.006	0.130	---	---	0.316	1959
1960	---	---	5.18	0.586	0.208	0.145	0.048	0.033	0	0.014	---	---	0.808	1960
1961	---	---	0.384	0.200	0.141	0.038	0.006	0	0	0.018	---	---	0.099	1961
MEAN	---	---	1.63	2.54	0.376	0.381	0.177	0.060	0.032	0.058	0.096	0.002	0.653	MEAN

LOCATION - LAT 48 59 20 N, LONG 106 47 30 W DRAINAGE AREA, 806 km^2, REGULATED INTERNATIONAL GAUGING STATION

ROCK CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1914	---		---		0	ON MAY 21 *	---	1914
1915	---		25.0 B	ON APR 4	---		---	1915
1927	---		37.4	ON APR 6	0 B	ON MAR 1	31 900	1927
1928	36.8	ON MAR 22	20.2	ON MAR 20	0.023	ON AUG 21	18 200	1928
1929	---		1.59	ON MAR 30	0	ON MAR 1	2 570	1929
1930	---		17.2	ON APR 4	0	ON AUG 28	15 000	1930
1931	---		1.378	ON MAR 19	0	ON APR 22	1 410	1931
1932	---		4.79	ON MAR 25	0 E	ON MAR 1	3 710	1932
1933	---		5.698	ON MAR 18	0	ON JUL 9	6 700	1933
1934	---		5.668	ON MAR 3	0	ON JUL 22	10 200	1934
1935	7.19	ON JUL 23	5.97	ON JUL 23	0 B	ON MAR 1	6 390	1935
1936	14.8	ON APR 14	11.9	ON APR 14	0	ON MAR 1	6 840	1936
1937	5.89	ON JUL 13	3.54	ON JUL 14	0 B	ON MAR 1	3 490	1937
1938	22.5 B	ON MAR 17	17.6 B	ON MAR 17	0 B	ON MAR 1	16 200	1938
1939	68.2	ON MAR 25	64.6	ON MAR 25	0	ON MAR 1	31 700	1939
1940	11.9 B	ON APR 18	10.3 B	ON APR 18	0	ON JUL 15	7 510	1940
1941	26.2	ON MAR 22	21.0	ON MAR 22	0 B	ON MAR 1	11 700	1941
1942	11.9	ON APR 3	8.98	ON APR 3	0 B	ON MAR 1	10 700	1942
1943	58.6	ON MAR 30	56.6	ON MAR 30	0	ON MAR 1	32 800	1943
1944	22.0 B	ON APR 2	14.2 B	ON APR 2	0 B	ON MAR 1	8 410	1944
1945	25.3 B	ON MAR 14	16.1 B	ON MAR 14	0 B	ON MAR 1	10 900	1945
1946	7.67B	ON MAR 20	6.51B	ON MAR 20	0	ON MAR 1	6 300	1946
1947	23.3	ON APR 3	17.1	ON APR 3	0 B	ON MAR 1	19 500	1947
1948	30.0	ON JUL 14	13.2	ON APR 17	0 B	ON MAR 1	13 100	1948
1949	4.70B	ON APR 1	3.96B	ON APR 1	0 B	ON MAR 1	4 230	1949
1950	37.7	ON APR 16	35.7	ON APR 18	0 B	ON MAR 1	24 100	1950
1951	21.4 B	ON APR 28	18.4 B	ON APR 28	0 B	ON MAR 1	21 600	1951
1952	93.7	ON APR 15 *	68.5	ON APR 15 *	0 B	ON MAR 1	41 400	1952
1953	9.34	ON JUN 9	6.00	ON JUN 9	0.017	ON AUG 21	13 000	1953
1954	63.7 E	ON APR 7	51.5 B	ON APR 6	0.057B	ON MAR 1	28 100	1954
1955	48.1 B	ON APR 2	37.4 B	ON APR 2	0 B	ON MAR 1	24 200	1955
1956	17.1 B	ON MAR 27	14.2 B	ON MAR 26	0 B	ON MAR 1	11 000	1956
1957	5.03	ON APR 24	4.81B	ON MAR 23	0 B	ON MAR 1	4 300	1957
1958	26.2 B	ON MAR 31	22.7 B	ON MAR 31	0 B	ON MAR 10	8 760	1958
1959	8.61B	ON MAR 28	7.18B	ON MAR 28	0 B	ON MAR 1	6 700	1959
1960	45.9	ON MAR 27	36.8	ON MAR 27	0	ON MAR 1	19 300	1960
1961	---		1.67B	ON MAR 20	0	ON JUN 22	2 090	1961
							13 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AE009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	4.95	13.8	1.06	0.876	0.566	0.074	0.080	0.117	---	---	---	1916
1917	---	---	0	9.39	0.822	0.402	0.070	0.001	0.048	0.058	---	---	---	1917
1918	---	---	---	1.78	0.328	0.121	0.029	0.132	0.066	0.109	---	---	---	1918
1919	---	---	0.005	6.61	0.302	0.063	0.016	0.002	0.001	0.055	---	---	---	1919
1920	---	---	1.83	2.69	0.791	0.200	0.059	0.014	0.066	0.067	---	---	---	1920
1921	---	---	---	0.556	0.337	0.509	1.73	0.056	0.598	0.140	---	---	---	1921
1922	---	---	0.010	8.15	1.20	0.733	0.199	0.088	0.037	0.073	---	---	---	1922
1923	---	---	0.067	3.60	0.742	4.85	2.09	0.429	0.179	0.200	---	---	---	1923
1924	---	---	0.102	2.02	0.427	0.353	0.105	0.106	0.055	1.85	---	---	---	1924
1925	---	---	11.3	5.86	0.380	0.607	0.127	0.028	0.310	0.484	---	---	---	1925
1926	---	---	3.93	0.365	0.447	1.46	0.085	0.032	0.086	0.077	---	---	---	1926
1956	---	---	---	---	---	---	---	---	---	0.086	---	---	---	1956
1957	---	---	0.800	0.534	0.188	0.132	0.012	0.001	0.003	0.045	---	---	---	1957
1958	---	---	2.14	2.14	0.135	0.048	0.006	0	0	0.015	---	---	---	1958
1959	---	---	1.79	0.829	0.113	0.419	0.088	0	0	0.113	---	---	---	1959
1960	---	---	8.50	0.711	0.271	0.103	0.051	0.053	0	0.004	---	---	---	1960
1961	---	---	0.438	0.226	0.152	0.027	0.001	0	0	0.004	---	---	---	1961
1962	---	---	1.46	2.81	0.143	0.854	0.482	0.073	0.007	0.083	---	---	---	1962
1963	---	---	5.22	0.485	0.211	1.22	0.480	0.052	0.018	0.022	---	---	---	1963
1964	---	---	0.111	0.608	0.167	0.194	0.052	0	0	0.018	---	---	---	1964
1965	---	---	0	3.63	1.90	0.970	0.188	0.112	0.080	0.077	---	---	---	1965
1966	---	---	3.09	0.336	0.353	0.124	0.126	0.017	0.004	0.027	---	---	---	1966
1967	---	---	0.793	11.4	1.12	0.267	0.048	0.003	0.042	0.080	---	---	---	1967
1968	---	---	6.20	0.347	0.113	0.182	0.032	0.018	0.068	0.044	---	---	---	1968
1969	---	---	0.003	12.4	0.584	0.147	1.80	0.051	0.020	0.107	---	---	---	1969
1970	---	---	0.242	8.10	1.82	0.638	0.082	0.015	0.019	0.044	---	---	---	1970
1971	---	---	0.018	3.77	0.211	0.404	0.020	0	0.001	0.022	---	---	---	1971
1972	---	---	4.98	0.858	0.429	0.881	0.055	0.017	0.044	0.081	---	---	---	1972
1973	---	---	1.52	0.212	0.175	0.540	0.052	0.001	0.004	0.021	---	---	---	1973
1974	---	---	1.39	9.25	1.20	0.235	0.150	0.186	0.038	0.083	---	---	---	1974
1975	---	---	0.075	5.96	1.35	0.207	0.049	0.378	0.068	0.155	---	---	---	1975
1976	---	---	10.5	1.68	0.161	0.229	0.409	0.132	0.019	0.045	---	---	---	1976
1977	---	---	0.327	0.790	0.314	0.073	0.174	0.006	0.141	0.209	---	---	---	1977
1978	---	---	7.94	6.98	0.707	0.235	0.729	0.035	0.096	0.060	0.086	0.032	---	1978
1979	0.007	0	0.154	8.54	1.38	0.158	1.15	0.049	0.024	0.048	0.078	0.062	0.963	1979
1980	0.007	0	1.15	2.07	0.108	0.090	0.031	0.003	0.025	0.047	0.078	0.027	0.302	1980
1981	0.050	2.72	0.300	0.126	0.081	0.333	0.049	0	0	0.009	0.031	0.020	0.292	1981
1982	0.001	0.001	0.203	7.83	2.52	0.545	0.079	0.026	0.013	0.063	0.051	0.029	0.925	1982
1983	0.030	0.077	0.692	0.686	0.424	0.060	0.031	0	0	0.008	0.023	0.013	0.189	1983
1984	0	0	0.282	0.362	0.071	0.186	0.011	0	0	0.010	0.027	0.009	0.080	1984
1985	0	0	1.14	0.440	0.109	0.130	0	0.001	0.029	0.066	0.028	0.011	0.184	1985
1986	0.013	0.026	8.15	0.288	0.885	0.055	0.256	0.002	0.354	0.323	0.090	0.045	0.897	1986
MEAN	0.014	0.353	2.36	3.62	0.593	0.485	0.286	0.053	0.084	0.119	0.052	0.028	0.474	MEAN

LOCATION - LAT 48 58 10 N
LONG 106 50 20 W

DRAINAGE AREA 839 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
UNITED STATES GEOLOGICAL SURVEY

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	28.3 B ON MAR 30	0E ON MAR 1 *	---	1916
1917	---	70.8 E ON APR 15	0E ON MAR 1	---	1917
1918	---	---	---	---	1918
1919	---	36.0 B ON APR 4	0B ON MAR 1	---	1919
1920	12.3 B AT 07:30 MST ON MAR 28	9.858 ON MAR 28	0 ON MAR 1	---	1920
1921	23.5 AT 18:00 MST ON JUL 13	22.6 ON JUL 14	---	---	1921
1922	66.0 E ON APR 5	53.5 B ON APR 5	0B ON MAR 1	---	1922
1923	48.1 AT 14:00 MST ON JUN 1	40.5 ON JUN 1	---	---	1923
1924	---	7.93 ON OCT 12	0B ON FEB 20	---	1924
1925	102 ON MAR 31	95.4 B ON MAR 30	0 ON MAR 1	---	1925
1926	---	17.2 ON MAR 17	---	---	1926
1956	---	---	---	---	1956
1957	---	5.528 ON MAR 23	0B ON MAR 1	---	1957
1958	40.5 B AT 07:30 MST ON MAR 31	31.7 B ON MAR 31	0B ON MAR 11	---	1958
1959	13.1 B AT 12:30 MST ON MAR 28	10.8 B ON MAR 28	0B ON MAR 1	---	1959
1960	58.6 AT 08:00 MST ON MAR 27	50.4 ON MAR 27	0 ON MAR 1	---	1960
1961	2.328 AT 15:00 MST ON MAR 20	1.938 ON MAR 21	0 ON JUN 25	---	1961
1962	25.5 AT 01:00 MST ON JUN 15	15.9 ON APR 6	0 ON MAR 1	---	1962
1963	23.1 B AT 09:00 MST ON MAR 22	19.2 B ON MAR 24	0B ON MAR 1	---	1963
1964	3.858 AT 18:40 MST ON APR 2	2.978 ON APR 2	0B ON MAR 1	---	1964
1965	34.3 AT 01:00 MST ON MAY 7	25.9 ON MAY 7	0 ON MAR 1	---	1965
1966	---	24.4 B ON MAR 15	0B ON MAR 1	---	1966
1967	57.2 AT 06:00 MST ON APR 12	49.0 ON APR 11	0B ON MAR 8	---	1967
1968	34.0 B AT 07:15 MST ON MAR 5	26.3 B ON MAR 5	0 ON AUG 2	---	1968
1969	125 AT 01:00 MST ON APR 7 *	88.0 ON APR 7 *	0B ON MAR 1	---	1969
1970	88.2 AT 04:15 MST ON APR 7	51.8 ON APR 7	---	---	1970
1971	28.3 B AT 10:30 CST ON APR 10	24.1 B ON APR 10	0B ON MAR 1	---	1971
1972	44.2 B AT 06:00 MST ON MAR 20	34.5 B ON MAR 20	0 ON MAR 1	---	1972
1973	17.4 AT 12:00 CST ON JUN 14	7.36 ON JUN 14	0 ON AUG 8	---	1973
1974	34.0 B AT 13:00 CST ON APR 8	28.8 B ON APR 8	---	---	1974
1975	28.9 AT 15:30 CST ON APR 24	24.6 ON APR 24	---	---	1975
1976	48.7 B AT 14:30 CST ON MAR 20	41.9 ON MAR 24	---	---	1976
1977	3.548 AT 21:00 MST ON APR 8	3.038 ON APR 8	---	---	1977
1978	114 AT 00:15 CST ON MAR 31	95.0 ON MAR 30	---	---	1978
1979	44.7 AT 08:00 CST ON APR 18	40.5 ON APR 18	0B ON FEB 1	30 300	1979
1980	17.3 B AT 15:00 CST ON MAR 30	14.2 B ON MAR 30	0B ON JAN 11	9 580	1980
1981	26.6 B AT 08:30 CST ON FEB 18	18.1 B ON FEB 18	0 ON APR 1	9 220	1981
1982	61.2 AT 21:45 CST ON APR 13	48.7 ON APR 14	0B ON JAN 8	29 200	1982
1983	6.80 AT 01:30 CST ON MAR 31	5.32 ON APR 1	0 ON AUG 8	5 350	1983
1984	2.63 AT 12:15 CST ON JUN 21	1.37 ON JUN 21	0B ON JAN 1	2 520	1984
1985	---	5.518 ON MAR 19	0B ON JAN 1	5 180	1985
1986	---	28.3 B ON MAR 5	0 ON AUG 20	28 300	1986
				15 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROMANCE CREEK NEAR WATSON - STATION NO. 05MA016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.302	1.47	0.002	0	0	0	0	0	---	---	0.218	1966
1967	---	---	0	1.28	1.52	0.004	0	0	0	0	---	---	0.350	1967
1968	---	---	0.844	0.144	0	0	0	0	0	0	---	---	0.124	1968
1969	---	---	0	2.02	0.030	0	0	0	0	0	---	---	0.250	1969
1971	---	---	0	2.85	0.114	0.004	0.418	0	0	0	---	---	0.429	1971
1972	---	---	0.005	5.87	2.08	0.214	0	0	0	0	---	---	1.10	1972
1973	---	---	0.005	0.043	0	0.580	0.077	0	0	0	---	---	0.099	1973
1974	---	---	---	---	3.38	0.850	0.185	---	---	---	---	---	---	1974
1975	---	---	---	---	2.26	0.091	---	---	---	---	---	---	---	1975
1976	---	---	---	5.19	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0	0.051	0.100	0.068	0	0	0	0	---	---	0.027	1977
1978	---	---	0.003	2.01	0.040	0.001	0	0	0	0	---	---	0.252	1978
1979	---	---	0	5.53	2.40	0.181	0.032	0.005	0.001	0.001	---	---	1.01	1979
1980	---	---	0	1.86	0.110	0.008	0.032	0	0	0	---	---	0.247	1980
1981	---	0	0.004	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.001	0.226	0.008	0.002	0.102	0.038	0.001	0	---	---	0.047	1982
1983	---	---	0	1.03	0.144	0.009	0.436	0.105	0.001	0	---	---	0.214	1983
1984	---	---	0.182	0.252	0.127	0.011	0	0	0	0	---	---	0.073	1984
1985	---	---	0	5.33	0.214	0.015	0	0	0	0	---	---	0.804	1985
1986	---	---	0.453	0.479	0.017	0	0	0	0	0	---	---	0.118	1986
MEAN	---	0	0.106	2.09	0.858	0.113	0.070	0.009	0	0	---	---	0.315	MEAN

LOCATION - LAT 51 59 37 N
LONG 104 33 11 W
DRAINAGE AREA, 506 km^2
REGULATED

ROMANCE CREEK NEAR WATSON - STATION NO 05MA015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	7.67 ON APR 1	0E ON MAR 1 *	4 810	1966
1967	---	10.7 ON APR 26	0E ON MAR 1	7 410	1967
1968	---	4.11 ON MAR 24	0E ON MAR 1	2 630	1968
1969	---	9.03 ON APR 12	0 ON MAR 1	5 250	1969
1971	---	10.3 ON APR 10	0E ON MAR 1	9 070	1971
1972	---	13.2 ON APR 15	0E ON MAR 1	23 400	1972
1973	---	3.43 ON JUN 7	0E ON MAR 1	2 090	1973
1974	---	21.2 ON APR 21	0 ON AUG 8	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	1.69 AT 21 26 CST ON MAY 30	0.994 ON MAY 30	0E ON MAR 1	578	1977
1978	8.35 AT 20 00 CST ON APR 9	8.12 ON APR 10	0E ON MAR 1	5 330	1978
1979	28.1 AT 23 31 CST ON APR 24 *	25.6 ON APR 24 *	0E ON MAR 1	31 300	1979
1980	6.28 AT 08 30 CST ON APR 13	5.84 E ON APR 13	0E ON MAR 1	5 230	1980
1981	0.035 AT 01 15 CST ON JUL 31	0.0215 ON MAR 16	0E ON MAR 1	13.4	1981
1982	2.21 AT 09 28 CST ON APR 16	1.16 ON APR 16	0E ON MAR 1	892	1982
1983	5.03 E AT 23 50 CST ON APR 19	4.16 ON APR 22	0E ON MAR 1	4 530	1983
1984	1.73 E AT 17 22 CST ON MAR 28	1.19 E ON MAR 28	0E ON MAR 1	1 540	1984
1985	21.4 E AT 03 45 CST ON APR 11	18.8 E ON APR 10	0E ON MAR 1	17 000	1985
1986	5.52 E AT 04 30 CST ON MAR 31	4.79 E ON MAR 31	0E ON MAR 1	2 500	1986
				8 880	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSE CREEK AT DORRELL - STATION NO 11AC015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.019	0.015	0.007	0.003	0.011	0.012	---	---	---	1911
1912	---	---	---	---	0.034	0.020	0.007	0.005	0.010	0.013	---	---	---	1912
1913	---	---	---	0.274	0.031	0.023	0.010	0.003	0.003	0.006	---	---	---	1913
1914	---	---	---	0.106	0.018	0.018	0.002	0.001	0.010	0.017	---	---	---	1914
MEAN	---	---	---	0.190	0.026	0.019	0.007	0.004	0.009	0.012	---	---	---	MEAN

LOCATION - LAT 49 35 10 N LONG 108 52 50 W DRAINAGE AREA 26.9 km^2 REGULATED

ROSE CREEK AT DORRELL - STATION NO 11AC015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 28 *	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ROUGHBARK CREEK ABOVE ROUGHBARK RESERVOIR - STATION NO 05NB015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0.915	1.16	0.013	0	0	0	0	0	---	---	0.240	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.001	0.162	0	0.001	0	0	0	0	---	---	0.020	1962
1963	---	---	0.087	0.019	0	0.375	0	0	0	0	---	---	0.059	1963
1964	---	---	0	0.488	0.017	0	0	0	0	0	---	---	0.083	1964
1965	---	---	0	0.589	0.972	0.331	0.032	0.001	0.011	0.010	---	---	0.239	1965
1966	---	---	0.255	0.018	0.011	0	0	0	0	0	---	---	0.038	1966
1967	---	---	0.002	0.613	0.831	0.002	0	0	0	0	---	---	0.155	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0.006	1968
1969	---	---	0	3.04	0.078	0	0.008	0	0	0	---	---	0.383	1969
1970	---	---	0	1.38	1.74	0.056	0	0	0	0	---	---	0.384	1970
1971	---	---	0.001	1.14	0.012	0	0.259	0.005	0.001	0	---	---	0.180	1971
1972	---	---	1.14	0.130	0.028	0.009	0.002	0	0	0	---	---	0.184	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	3.52	0.285	0.056	0	0	0	0	---	---	0.474	1974
MEAN	---	---	0.150	0.783	0.237	0.052	0.021	0.003	0.002	0.001	---	---	0.153	MEAN

LOCATION - LAT 49 29 39 N LONG 103 45 56 W DRAINAGE AREA 155 km^2 REGULATED

ROUGHBARK CREEK ABOVE ROUGHBARK RESERVOIR - STATION NO. 05NB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0 ON MAR 1	0 ON MAR 1 *	0	1959
1960	---	10.6 B ON MAR 30	0B ON MAR 1	5 510	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	0.883 ON APR 3	0 ON MAR 1	423	1962
1963	---	2.72 ON JUN 10	0 ON MAR 1	1 260	1963
1964	---	3.89 B ON APR 6	0B ON MAR 1	1 330	1964
1965	---	7.14 ON MAY 8	0B ON MAR 1	5 050	1965
1966	---	1.39 ON MAR 17	0 ON MAR 1	753	1966
1967	---	3.83 ON MAY 3	0B ON MAR 1	2 250	1967
1968	---	0.396 ON AUG 30	0 ON MAR 1	122	1968
1969	---	26.1 B ON APR 11	0B ON MAR 1	8 100	1969
1970	---	10.3 ON MAY 4	0B ON MAR 1	5 340	1970
1971	11.3 B AT 05:30 CST ON APR 9 *	9.29 B ON APR 9	0B ON MAR 1	3 800	1971
1972	8.478 AT 12:00 CST ON MAR 20	7.82 B ON MAR 20	0B ON MAR 1	3 470	1972
1973	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1973
1974	---	26.3 E ON APR 16 *	0B ON MAR 1	10 100	1974
				3 230	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROUGHBARK CREEK BELOW ROUGHBARK RESERVOIR - STATION NO. 05NB023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0.434	0.388	0.086	0.387	0.003	0	---	---	0.144	1944
1960	---	---	0.300	1.51	0.007	0	0.082	0	0	0	---	---	0.232	1960
1961	---	---	0.004	0	0	0	0.023	0	0.031	0	---	---	0.007	1961
1962	---	---	0.012	0.032	0.108	0.016	0	0	0	0	---	---	0.020	1962
1963	---	---	0.048	0	0	0.019	0	0.041	0.013	0	---	---	0.015	1963
1964	---	---	0	0.308	0.019	0	0.095	0	0	0	---	---	0.052	1964
1965	---	---	0	0.590	0.976	0.482	0.005	0	0.085	0.076	---	---	0.277	1965
1966	---	---	0.526	0.120	0.023	0.001	0.047	0	0	0	---	---	0.090	1966
1967	---	---	0.007	0.461	0.418	0.004	0.088	0.138	0	0	---	---	0.139	1967
1968	---	---	0.024	0	0	0	0.072	0.019	0.243	0.005	---	---	0.065	1968
1969	---	---	0	3.32	0.216	0.096	0.029	0.001	0.084	0.143	---	---	0.477	1969
1970	---	---	0.002	0.729	2.62	0.339	0.174	0.001	0	0	---	---	0.484	1970
1971	---	---	0.003	0.768	0.390	0.055	0.085	0.185	0.149	0.017	---	---	0.201	1971
1972	0	0	0.841	0.248	0	0	0	0.089	0.133	0	0	0	0.184	1972
MEAN	0	0	0.128	0.877	0.371	0.099	0.085	0.051	0.052	0.017	0	0	0.188	MEAN

LOCATION - LAT 49 29 37 N
LONG 103 42 13 W
DRAINAGE AREA, 254 km^2
REGULATED

ROUGHBARK CREEK BELOW ROUGHBARK RESERVOIR - STATION NO. 05NB023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.49 ON MAY 23	0 ON MAR 1 *	3 050	1944
1960	---	10.5 B ON APR 1	0B ON MAR 1	4 920	1960
1961	---	0.788A ON SEP 13	0A ON MAR 1	153	1961
1962	0.977 AT 13:00 CST ON MAY 5	0.929 ON MAY 5	0B ON MAR 1	422	1962
1963	0.748 AT 07:00 CST ON AUG 25	0.634 ON AUG 24	0B ON MAR 1	319	1963
1964	1.74 AT 18:00 CST ON JUL 23	1.32 ON JUL 23	0B ON MAR 1	1 110	1964
1965	4.84 AT 10:00 CST ON MAY 9	4.38 ON MAY 9	0B ON MAR 1	4 850	1965
1966	---	1.46 B ON MAR 17	0B ON MAR 1	1 910	1966
1967	1.58 AT 18:30 CST ON MAY 5	1.57 ON MAY 5	0B ON MAR 1	2 940	1967
1968	0.877 AT 20:00 CST ON JUL 25	0.843 ON JUL 25	0B ON MAR 1	953	1968
1969	27.2 B AT 13:40 CST ON APR 11 *	25.3 ON APR 12 *	0B ON MAR 1	10 100	1969
1970	13.8 AT 07:00 CST ON MAY 5	12.6 ON MAY 5	0B ON MAR 1	10 200	1970
1971	---	2.12 E ON APR 11	0E ON MAR 20	4 270	1971
1972	---	4.25 E ON MAR 21	0B ON MAR 1	3 470	1972
				3 550	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO 05JC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	---	0.036	0.019	---	---	---	1985
1986	---	---	2.29	0.983	0.058	0.081	0.010	0	0	0	---	---	0.318	1986
1987	---	---	0.819	1.77	0.550	0.023	0	0	0	0	---	---	0.388	1987
1988	---	---	1.16	0.113	0.030	0.001	0	0	0	0	---	---	0.185	1988
1989	---	---	0.290	4.84	0.108	0.005	0.004	0	0	0	---	---	0.803	1989
1970	---	---	1.46	2.52	0.107	0.808	0.087	0	0	0	---	---	0.825	1970
1971	---	---	0.201	3.24	0.019	0.002	0	0	0	0	---	---	0.424	1971
1972	---	---	0.243	0.010	0.030	0.003	0	0	0	0	---	---	0.049	1972
1973	---	---	0.115	0.036	0.014	0	0	0	0	0	---	---	0.020	1973
1974	---	---	0.021	2.57	0.486	0.021	0	0	0	0	---	---	0.803	1974
1975	---	---	0.044	7.23	0.257	0.034	0.001	0	0	0.001	---	---	0.315	1975
1976	---	---	3.98	0.498	0.021	0.011	0.009	0	0	0	---	---	0.570	1976
1977	---	---	0	0.004	0.021	0.005	0	0	0	0	---	---	0.004	1977
1978	---	---	1.24	0.501	0.109	0.011	0	0	0	0	---	---	0.234	1978
1979	---	---	1.29	0.825	0.227	0.008	0	0	0	0	---	---	0.284	1979
1980	---	---	1.18	0.091	0.001	0.001	0	0	0	0	---	---	0.180	1980
1981	---	0.658	0.036	0.035	0.002	0.007	0.004	0	0	0	---	---	0.009	1981
1982	---	---	1.80	1.69	0.074	0.192	0.739	0.208	0.002	0.008	---	---	0.801	1982
1983	---	---	1.84	0.413	0.225	0.007	0.078	0	0	0	---	---	0.284	1983
1984	---	---	0.028	0.004	0.002	0.002	0	0	0	0	---	---	0.005	1984
1985	---	0	0.878	0.208	0.003	0	0	0	0	0	---	---	0.150	1985
1986	---	1.41	0.841	0.008	0.187	0.003	0.005	0	0	0.001	---	---	0.092	1986
MEAN	---	0.858	0.818	1.08	0.119	0.083	0.044	0.010	0.002	0.001	---	---	0.278	MEAN

LOCATION - LAT 50 15 12 N DRAINAGE AREA, 325 km²
LONG 107 28 06 W NATURAL FLOW

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO 05JC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	---	---	1985
1986	16.0 B AT 12 00 CST ON MAR 11	11.9 B ON MAR 11	0 ON AUG 21 *	---	1986
1987	19.7 AT 09 00 CST ON APR 11	12.1 ON APR 11	0 ON JUL 12	6 880	1987
1988	8.27 B AT 12 00 CST ON MAR 1	8.85 B ON MAR 1	0B ON MAR 1	7 790	1988
1989	77.9 AT 02 00 CST ON APR 8 *	37.7 ON APR 8 *	0 ON JUN 5	3 490	1989
			0 ON JUL 4	12 800	
1970	30.8 AT 06 36 CST ON APR 7	18.6 ON APR 7	0 ON AUG 5	13 200	1970
1971	29.2 AT 06 41 CST ON APR 7	18.9 ON APR 7	0B ON MAR 1	8 990	1971
1972	2.15 AT 14 37 CST ON MAR 17	1.84 ON MAR 17	0B ON MAR 1	1 030	1972
1973	0.8248 AT 10 39 CST ON MAR 5	0.5188 ON MAR 5	0 ON JUN 7	414	1973
1974	18.5 AT 06 47 CST ON APR 12	12.3 ON APR 12	0B ON MAR 1	10 800	1974
1975	22.1 AT 06 56 CST ON APR 20	14.5 ON APR 20	0B ON MAR 1	8 670	1975
1976	45.3 B AT 10 13 CST ON MAR 19	30.0 B ON MAR 19	0B ON MAR 1	12 100	1976
1977	0.283 AT 17 02 CST ON MAY 20	0.156 ON MAY 21	0B ON MAR 1	79 B	1977
1978	7.28 B AT 16 49 CST ON MAR 27	5.41 B ON MAR 27	0B ON MAR 1	4 950	1978
1979	11.3 B AT 13 50 CST ON MAR 17	8.36 B ON MAR 17	0B ON MAR 1	6 220	1979
1980	14.5 B AT 13 33 CST ON MAR 18	8.00 B ON MAR 18	0B ON MAR 1	3 390	1980
1981	---	0.106 ON MAR 28	0 ON MAY 23	185	1981
1982	18.2 AT 19 50 CST ON JUL 2	13.4 B ON APR 12	0 ON SEP 18	12 700	1982
1983	19.4 AT 13 04 CST ON MAR 30	13.2 B ON MAR 30	0 ON JUN 20	6 020	1983
1984	0.2778 AT 01 00 CST ON MAR 23	0.1638 ON MAR 22	0B ON MAR 1	98.2	1984
1985	5.11 AT 10 37 CST ON MAR 18	4.41 B ON MAR 15	0 ON JUN 1	3 170	1985
1986	---	3.91 B ON MAR 1	0 ON JUN 26	1 840	1986
				5 830	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RUSSELL CREEK NEAR VANGUARD - STATION NO. 05JB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.242	1.17	0.071	0.024	---	---	---	---	---	---	---	1944
1945	---	---	0.605	0.082	0.087	0.083	---	---	---	---	---	---	---	1945
1946	---	---	0.987	0.089	0.080	0.125	---	---	---	---	---	---	---	1946
1947	---	---	0	0.479	0.078	0.121	---	---	---	---	---	---	---	1947
1948	---	---	0.743	1.51	0.149	0.054	---	---	---	---	---	---	---	1948
1949	---	---	0.200	0.347	0.029	0.007	---	---	---	---	---	---	---	1949
1950	---	---	0	2.83	0.110	0.054	---	---	---	---	---	---	---	1950
1951	---	---	0	2.38	0.357	0.204	---	---	---	---	---	---	---	1951
1952	---	---	0.005	6.43	0.091	0.001	---	---	---	---	---	---	---	1952
1953	---	---	1.63	0.938	0.252	0.144	---	---	---	---	---	---	---	1953
1954	---	---	0	1.83	0.128	0.313	---	---	---	---	---	---	---	1954
1955	---	---	0.290	1.98	0.422	0.043	---	---	---	---	---	---	---	1955
1956	---	---	0.135	0.320	0.218	0.137	---	---	---	---	---	---	---	1956
1957	---	---	0.735	0.100	0.126	0.108	0.037	0.001	0.009	0.013	---	---	0.142	1957
1958	---	---	0.307	1.80	0.045	0.105	0.019	0.001	0	0.001	---	---	0.281	1958
1959	---	---	0.104	0.002	0.033	0.120	0.016	0.045	0.023	0.006	---	---	0.064	1959
1960	---	---	1.75	0.170	0.039	0.498	0.052	0	0.009	0.025	---	---	0.316	1960
1961	---	---	0.087	0.046	0.005	0.035	0	0	0.028	0.002	---	---	0.025	1961
1962	---	---	0.122	0.885	0.010	0.001	0.045	0.005	0.012	0.013	---	---	0.108	1962
1963	---	---	0.541	0.211	0.027	0.151	0	0	0.011	0	---	---	0.118	1963
1964	---	---	0.001	0.341	0.035	0.092	0.011	0.051	0	0	---	---	0.065	1964
1965	---	---	0	1.96	0.048	0.053	0.206	0.086	0	0.019	---	---	0.291	1965
1966	---	---	1.40	0.270	0.073	0.023	0	0.057	0.042	0.011	---	---	0.237	1966
1967	---	---	0.004	2.00	0.383	0.070	0.030	0.015	0.021	0.010	---	---	0.312	1967
1968	---	---	0.451	0.075	0.055	0.030	0.018	0.007	0.009	0.014	---	---	0.083	1968
1969	---	---	0	3.47	0.188	0.061	1.02	0.080	0.064	0.023	---	---	0.607	1969
1970	---	---	0.018	3.52	0.112	0.074	0.038	0	0.008	0.009	---	---	0.483	1970
1971	---	---	0	2.06	0.087	0.014	0.022	0.003	0.006	0.012	---	---	0.272	1971
1972	---	---	0.021	0.027	0.001	0.008	0	0	0	0.027	---	---	0.011	1972
1973	---	---	0.001	0.002	0.012	0.011	0	0	0	0	---	---	0.003	1973
1974	---	---	0	3.27	0.544	0.015	0.007	0.004	0.001	0.070	---	---	0.481	1974
1975	---	---	0.001	0.800	0.876	0.031	0.019	0.021	0	0	---	---	0.218	1975
1976	---	---	2.09	1.01	0.018	0.048	0.002	0	0	0	---	---	0.396	1976
1977	---	---	0	0.004	0.001	0.001	0.000	0	0	0	---	---	0.002	1977
1978	---	---	0.193	1.15	0.071	0.007	0.001	0	0	0	---	---	0.175	1978
1979	---	---	0.206	1.46	0.347	0.033	0.016	0.001	0	0	---	---	0.255	1979
1980	---	---	0.042	0.034	0.068	0	0	0	0	0.002	---	---	0.018	1980
1981	---	0.019	0.004	0.031	0.066	0.020	0.002	0	0	0	---	---	0.015	1981
1982	---	---	0.039	1.34	0.128	0.158	0.195	0	0.028	0.026	---	---	0.236	1982
1983	---	---	0.094	1.12	0.129	0.015	0	0	0	0	---	---	0.157	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0.005	---	---	0.001	1985
1986	---	0	0.057	0.337	0.133	0.157	0.001	0	0	0	---	---	0.085	1986
MEAN	---	0.010	0.304	1.11	0.133	0.076	0.059	0.013	0.009	0.010	---	---	0.181	MEAN

LOCATION - LAT 49 54 18 N DRAINAGE AREA, 313 km²
LONG 107 22 16 W REGULATED SINCE 1951

RUSSELL CREEK NEAR VANGUARD - STATION NO 05JB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	7.19 B ON APR 1	0B ON MAR 1 *	---	1944
1945	---	5.71 B ON MAR 13	0B ON MAR 1	---	1945
1946	---	4.76 B ON MAR 14	0B ON MAR 1	---	1946
1947	---	2.12 B ON APR 13	0B ON MAR 1	---	1947
1948	---	10.4 ON APR 18	0B ON MAR 1	---	1948
1949	---	1.53 B ON APR 1	0B ON MAR 1	---	1949
1950	---	17.3 ON APR 16	0B ON MAR 1	---	1950
1951	---	8.21 B ON APR 10	0B ON MAR 1	---	1951
1952	---	24.9 E ON APR 14	0B ON MAR 1	---	1952
1953	---	15.5 ON MAR 30	0 ON JUN 19	---	1953
1954	---	12.1 ON APR 11	0B ON MAR 1	---	1954
1955	---	5.50 B ON APR 2	0B ON MAR 1	---	1955
1956	---	1.44 B ON MAR 26	0B ON MAR 1	---	1956
1957	---	5.41 ON MAR 24	0B ON MAR 1	3 000	1957
1958	---	23.8 ON APR 1	0B ON MAR 1	5 940	1958
1959	0.9638 AT 06:00 CST ON MAR 11	0.7858 ON MAR 9	0B ON MAR 1	926	1959
1960	15.0 ON MAR 26	11.5 ON MAR 28	0B ON MAR 1	6 730	1960
1961	---	0.394 ON JUN 18	0 ON APR 20	539	1961
1962	---	3.20 B ON APR 6	0B ON MAR 1	2 280	1962
1963	---	5.40 B ON MAR 25	0B ON MAR 1	2 490	1963
1964	---	1.11 ON APR 18	0B ON MAR 1	1 380	1964
1965	---	14.5 ON APR 14	0B ON MAR 1	5 170	1965
1966	11.4 B AT 03:00 ON MAR 13	9.43 B ON MAR 13	0B ON MAR 1	5 020	1966
1967	8.21 B AT 12:30 ON APR 12	7.08 B ON APR 12	0B ON MAR 1	6 810	1967
1968	2.32 B AT 07:00 ON MAR 3	1.81 B ON MAR 3	0 ON MAR 18	1 750	1968
1969	22.8 AT 04:30 ON APR 7	18.3 ON APR 7	0B ON MAR 1	12 800	1969
1970	30.9 AT 10:50 CST ON APR 8 *	28.8 ON APR 8 *	0B ON MAR 1	9 810	1970
1971	11.7 B AT 13:40 CST ON APR 9	10.0 B ON APR 9	0B ON MAR 1	5 780	1971
1972	0.1818 AT 12:50 CST ON MAR 18	0.1058 ON MAR 18	0B ON MAR 1	224	1972
1973	0.031 AT 18:14 CST ON MAY 18	0.028 ON MAY 19	0B ON MAR 1	70.0	1973
1974	15.2 AT 05:55 CST ON APR 13	12.8 ON APR 13	0B ON MAR 1	10 200	1974
1975	5.51 AT 08:04 CST ON MAY 1	5.51 ON MAY 1	0B ON MAR 1	4 810	1975
1976	23.7 B AT 01:43 CST ON MAR 20	21.7 B ON MAR 20	0B ON MAR 1	8 390	1976
1977	0.045 AT 12:55 CST ON JUL 21	0.042 ON JUL 21	0B ON MAR 1	40.5	1977
1978	11.3 AT 06:55 CST ON APR 12	7.76 B ON APR 8	0B ON MAR 1	3 700	1978
1979	8.22 AT 11:27 CST ON APR 26	8.05 ON APR 26	0B ON MAR 1	5 390	1979
1980	1.13 AT 08:24 CST ON MAY 2	1.02 ON MAY 2	0B ON MAR 1	386	1980
1981	---	0.119 ON MAY 18	0B ON MAR 19	322	1981
1982	12.0 AT 08:12 CST ON APR 20	9.49 ON APR 20	0B ON MAR 1	5 000	1982
1983	5.00 AT 18:40 CST ON APR 1	3.83 ON APR 2	0 ON JUL 1	3 530	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	0.033 AT 15:49 CST ON OCT 5	0.032 ON OCT 5	0B ON MAR 1	13.0	1985
1986	---	2.50 ON APR 18	0 ON JUL 5	1 790	1986
				3 830	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SALINE CREEK NEAR NOKOMIS - STATION NO 05JJ009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.148	0.377	0.051	0.001	0	0	0	0	---	---	0.071	1972
1973	---	---	0.011	0.033	0.046	0.318	0.012	0	0	0	---	---	0.052	1973
1974	---	---	0	3.88	1.01	0.245	0.001	0.003	0.006	0.002	---	---	0.513	1974
1975	---	---	0	0.586	0.378	0.022	0.004	0.001	0.001	0.001	---	---	0.131	1975
1976	---	---	0	0.984	0.080	0.100	0.014	0.002	0.001	0.002	---	---	0.143	1976
1977	---	---	0	0.001	0.125	0.078	0	0	0	0	---	---	0.025	1977
1978	---	---	0.025	0.195	0.043	0.016	0.001	0	0.001	0.001	---	---	0.035	1978
1979	---	---	0	0.991	0.325	0.071	0	0	0	0	---	---	0.171	1979
1980	---	---	0	0.259	0.002	0	0	0	0	0	---	---	0.032	1980
1981	---	0	0	0	0	0.001	0	0	0	0.018	---	---	0.002	1981
1982	---	---	0	0.558	0.123	0.170	0.145	0.002	0	0	---	---	0.133	1982
1983	---	---	0	0.068	0.102	0.023	0.277	0.097	0	0	---	---	0.071	1983
1984	---	---	0.014	0.087	0.019	0.001	0	0	0	0	---	---	0.014	1984
1985	---	---	0	2.34	0.324	0.071	0.002	0	0	0	---	---	0.325	1985
1986	---	---	0.020	0.111	0.090	0	0.002	0	0	0.001	---	---	0.028	1986
MEAN	---	0	0.015	0.622	0.181	0.074	0.031	0.007	0.001	0.002	---	---	0.115	MEAN

LOCATION - LAT 51 24 58 N
LONG 105 05 10 W
DRAINAGE AREA, 950 km^2
NATURAL FLOW

SALINE CREEK NEAR FORDMIS - STATION NO 05JJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.920 AT 02 33 CST ON APR 11	0.869 ON APR 11	00 ON MAR 1 *	1 510	1972
1973	0.799 AT 17 44 CST ON JUN 7	0.756 ON JUN 5	00 ON MAR 1	1 090	1973
1974	13.1 AT 00 02 CST ON APR 21 *	12.1 ON APR 21 *	00 ON MAR 1	10 900	1974
1975	1.97 B AT 12 07 CST ON APR 18	1.70 B ON APR 17	00 ON MAR 1	2 550	1975
1976	3.20 AT 01 32 CST ON APR 10	2.97 ON APR 9	00 ON MAR 1	3 030	1976
1977	0.606 AT 23 31 CST ON MAY 28	0.541 ON MAY 28	00 ON MAR 1	533	1977
1978	0.6038 AT 09 04 CST ON APR 4	0.4338 ON APR 4	00 ON MAR 1	738	1978
1979	4.80 B AT 08 38 CST ON APR 20	4.04 B ON APR 20	00 ON MAR 1	3 630	1979
1980	0.807 AT 21 40 CST ON APR 9	0.763 ON APR 9	00 ON MAR 1	876	1980
1981	0.067 AT 05 45 CST ON OCT 25	0.059 ON OCT 25	00 ON MAR 1	47.2	1981
1982	2.36 AT 09 24 CST ON APR 15	2.20 ON APR 15	00 ON MAR 1	2 510	1982
1983	0.902 AT 02 55 CST ON JUL 22	0.830 ON JUL 22	00 ON MAR 1	1 510	1983
1984	0.215 AT 02 39 CST ON APR 18	0.183 ON APR 17	00 ON MAR 1	305	1984
1985	5.72 AT 23 54 CST ON APR 5	5.37 B ON APR 5	00 ON MAR 1	5 880	1985
1986	0.307 AT 01 56 CST ON APR 5	0.289 ON APR 6	00 ON MAR 1	590	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 440	MEAN

SANDY CREEK NEAR CARON - STATION NO 05JG001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0.014	0.017	0.023	0.020	0.012	---	1915
1916	0.009	0.009	---	---	0.088	0.081	0.054	0.015	0.017	---	---	---	---	1916
1978	---	---	0.190	0.103	0.007	0	0	0	0	0	---	---	0.027	1978
1979	---	---	6.272	0.825	0.025	0	0	0	0	0	---	---	0.139	1979
1980	---	---	0.045	0.343	0	0	0	0	0	0	---	---	0.048	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	1.85	0.084	0.049	0	0	0	0	---	---	0.240	1982
1983	---	---	0.307	0.388	0.003	0	0	0	0	0	---	---	0.087	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	0	0.479	0.137	0	0	0	0	0	0	---	---	0.077	1985
1986	---	0.052	0.260	0	0.003	0	0	0	0	0	---	---	0.033	1986
MEAN	0.009	0.015	0.173	0.405	0.017	0.011	0.005	0.003	0.002	0.002	0.020	0.012	0.073	MEAN

LOCATION - LAT 50 27 09 N LONG 106 01 45 W
DRAINAGE AREA, 579 km^2
NATURAL FLOW

REMARKS - RECORDS COLLECTED IN SE29-17-29-W3 IN 1915-17

SANDY CREEK NEAR CARON - STATION NO 05JG001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1978	1.43 AT 01 49 CST ON MAR 29	1.15 ON MAR 28	00 ON MAR 1 *	793	1978
1979	5.56 AT 04 04 CST ON APR 19	5.01 ON APR 19	00 ON MAR 1	2 940	1979
1980	2.28 B AT 08 12 CST ON APR 1	2.08 B ON APR 1	00 ON MAR 1	1 010	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	10.5 AT 21 26 CST ON APR 14 *	10.5 ON APR 14 *	00 ON MAR 1	5 030	1982
1983	3.84 B AT 11 30 CST ON APR 1	3.47 B ON APR 1	00 ON MAR 1	1 880	1983
1984	0.005 AT 15 55 CST ON MAR 31	0.004 ON MAR 31	0 ON MAR 1	1.29	1984
1985	2.41 B AT 14 44 CST ON MAR 19	2.27 B ON MAR 19	00 ON MAR 1	1 840	1985
1986	1.55 AT 12 24 CST ON MAR 1	1.57 ON MAR 1	0 ON MAR 25	703	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 560	MEAN

SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL - STATION NO 05KD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	2 040	1 480	---	---	---	---	---	---	1954
1955	---	---	---	---	1 130	1 450	1 280	857	---	---	---	---	---	1955
1956	---	---	---	---	---	1 410	1 080	---	---	---	---	---	---	1956
MEAN	---	---	---	---	1 130	1 630	1 270	857	---	---	---	---	---	MEAN

LOCATION - LAT 53 43 50 N LONG 103 15 00 W
DRAINAGE AREA, 287 000 km^2
DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL - STATION NO OSKD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	3 400 ON JUN 14 *	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SASKATCHEWAN RIVER AT NIPAWIN - STATION NO OSKD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	---	---	---	---	---	---	407	378	143	173	---	1945
1946	140	130	205	573	450	1 300	1 200	536	484	338	228	131	535	1946
1947	129	107	249	981	1 110	1 280	1 020	572	511	486	343	202	772	1947
1948	180	122	128	839	3 380	3 040	1 440	1 080	586	---	---	---	---	1948
1951	---	---	---	---	---	---	1 300	966	1 110	677	---	---	---	1951
1952	---	---	---	1 850	692	1 350	1 730	1 030	543	387	---	---	---	1952
1953	---	---	---	---	1 050	2 820	1 890	927	867	302	---	---	---	1953
1954	---	---	162	408	1 180	2 370	1 810	1 090	2 180	824	---	---	1 220	1954
1955	---	---	115	1 020	1 200	1 400	1 230	820	338	283	---	---	772	1955
1956	---	---	131	1 100	926	1 280	1 040	728	471	300	---	---	743	1956
1957	---	---	187	843	989	978	575	420	388	289	---	---	552	1957
1958	---	---	149	826	801	1 210	1 220	856	414	280	---	---	691	1958
1959	---	---	144	476	416	1 180	1 280	882	390	379	---	---	816	1959
1960	---	---	141	885	587	847	1 070	630	285	218	---	---	580	1960
1961	---	---	133	451	329	1 230	582	600	341	213	---	---	480	1961
1962	---	---	157	586	489	755	784	578	345	208	---	---	481	1962
MEAN	143	120	158	818	979	1 500	1 220	740	589	385	238	169	686	MEAN

LOCATION - LAT 53 22 00 N LONG 104 02 20 W DRAINAGE AREA, 287 000 km^2 REGULATED

SASKATCHEWAN RIVER AT NIPAWIN - STATION NO OSKD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	---	---	1945
1946	---	1 870 ON JUN 17	121 B ON MAR 3	13 400 000	1946
1947	---	2 190 ON JUN 20	114 B ON MAR 24	16 300 000	1947
1948	---	4 840 ON JUN 1	---	---	1948
1951	---	---	---	---	1951
1952	---	3 650 ON JUN 30	---	---	1952
1953	4 930 AT 05 45 ON JUN 16 *	4 870 ON JUN 16 *	---	---	1953
1954	4 080 AT 08 30 ON JUN 13	4 020 ON JUN 13	139 B ON MAR 26	25 800 000	1954
1955	---	1 7708 ON APR 12	86.38 ON MAR 5 *	18 300 000	1955
1956	---	2 5508 ON APR 23	119 B ON MAR 28	15 700 000	1956
1957	1 310 AT 09 00 ON MAY 30	1 300 ON MAY 30	112 B ON MAR 4	11 700 000	1957
1958	1 890 AT 14 00 ON JUL 7	1 680 ON JUL 7	121 B ON MAR 10	14 800 000	1958
1959	---	2 370 ON JUL 7	121 B ON MAR 1	13 000 000	1959
1960	---	1 500 ON JUL 11	88.08 ON MAR 22	12 300 000	1960
1961	---	1 670 ON JUN 6	88.88 ON MAR 8	10 200 000	1961
1962	---	1 0308 ON APR 23	143 B ON MAR 18	10 200 000	1962
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 800 000	MEAN

SASKATCHEWAN RIVER BELOW CUMBERLAND HOUSE - STATION NO OSKH010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	1 890	---	---	---	---	---	---	1954
1955	---	---	---	---	1 780	1 740	1 580	---	---	---	---	---	---	1955
MEAN	---	---	---	---	1 780	1 740	1 730	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 53 00 N LONG 101 58 00 W DRAINAGE AREA, 326 000 km^2

DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	---	---	---	314	20.6	106	83.9	---	1962
1963	70.8	70.8	83.3	640	512	700	978	687	398	282	146	113	390	1963
1964	170	179	178	383	649	1 270	1 110	426	265	350	198	130	443	1964
1965	172	162	184	491	924	1 620	2 120	935	586	685	256	261	703	1965
1966	251	242	343	784	710	968	1 080	626	326	206	125	87.8	478	1966
1967	286	400	367	291	678	945	869	466	336	236	122	223	435	1967
1968	413	182	263	381	215	324	449	419	302	254	256	320	316	1968
1969	501	483	423	701	701	584	1 420	731	464	346	258	322	578	1969
1970	488	484	300	483	555	497	801	584	275	289	288	350	448	1970
1971	456	515	484	632	748	801	736	808	280	226	266	342	508	1971
1972	535	479	578	731	662	823	1 130	768	387	419	270	384	597	1972
1973	473	505	393	519	501	528	493	309	357	286	287	377	418	1973
1974	510	568	555	1 060	1 510	1 080	800	485	390	336	278	314	657	1974
1975	471	514	454	470	886	720	661	278	238	292	389	407	486	1975
1976	507	442	399	254	278	288	278	434	521	394	311	414	377	1976
1977	510	405	274	291	318	450	274	272	338	226	204	344	325	1977
1978	421	338	324	525	439	575	688	385	489	481	308	385	458	1978
1979	485	561	558	475	834	450	286	282	178	173	180	237	392	1979
1980	289	521	379	488	276	830	636	352	307	365	314	326	424	1980
1981	464	400	364	559	463	847	649	1 030	542	388	397	296	534	1981
1982	494	496	468	461	516	487	710	389	312	353	291	333	442	1982
1983	470	511	398	477	518	310	512	266	216	238	243	246	387	1983
1984	314	278	256	438	289	289	239	167	222	221	177	248	260	1984
1985	207	258	314	709	546	349	235	156	203	183	208	353	310	1985
1986	407	386	403	503	453	513	958	635	383	599	334	431	502	1986
MEAN	391	391	384	532	583	680	755	488	345	313	249	292	451	MEAN

LOCATION - LAT 53 42 10 N DRAINAGE AREA, 289 000 km²
LONG 103 17 50 W REGULATED

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	---	1 610E ON JUL 31	28.9 E ON NOV 7	12 300 000	1963
1964	---	2 290E ON JUN 29	57.8 E ON DEC 22	14 000 000	1964
1965	---	2 750E ON JUN 28	75.9 ON NOV 28	22 200 000	1965
1966	---	1 860 ON JUL 14	0 ON DEC 25 *	15 100 000	1966
1967	---	1 010 ON MAY 3	4.53 ON JAN 1	13 700 000	1967
1968	---	801 ON JUN 18	20.3 ON JUN 8	9 890 000	1968
1969	---	2 440E ON JUL 7	35.4 ON NOV 30	18 200 000	1969
1970	1 480 AT 10 28 CST ON JUL 20	1 010 ON JUL 13	23.9 ON APR 12	14 100 000	1970
1971	1 220 AT 14 11 CST ON FEB 5	926 ON JUN 25	148 ON OCT 10	16 000 000	1971
1972	2 030 AT 06 08 CST ON JUL 2	1 750 ON JUL 2	35.4 ON DEC 10	18 800 000	1972
1973	1 020 AT 17 23 CST ON JAN 10	858 ON SEP 22	30.6 ON SEP 16	13 200 000	1973
1974	3 840 AT 23 28 CST ON APR 24 *	3 450 ON APR 25 *	56.6 ON OCT 13	20 700 000	1974
1975	1 510 AT 09 15 CST ON JUN 28	1 340 ON JUN 28	28.9 ON AUG 31	14 700 000	1975
1976	---	986 ON SEP 14	36.8 ON JUL 31	11 800 000	1976
1977	1 140 AT 21 48 CST ON DEC 8	782 ON JAN 21	9.91 ON AUG 21	10 300 000	1977
1978	---	951E ON APR 24	98.8 ON NOV 25	14 400 000	1978
1979	---	1 000E ON MAY 6	10.0 E ON JUL 15	12 300 000	1979
1980	---	1 030 ON JUN 7	150 ON JUL 28	13 400 000	1980
1981	---	1 480E ON AUG 2	155 ON MAY 17	16 800 000	1981
1982	1 100 AT 18 34 CST ON JUL 22	978 ON JUL 14	157 ON NOV 15	13 900 000	1982
1983	---	849 ON APR 28	180 E ON SEP 25	11 800 000	1983
1984	---	667 ON APR 18	135 E ON AUG 28	8 210 000	1984
1985	1 440 AT 15 08 CST ON DEC 8	1 100 ON APR 23	140 ON AUG 11	9 780 000	1985
1986	2 480 AT 14 05 CST ON JUL 20	1 980 ON JUL 21	181 ON NOV 22	15 800 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 200 000	MEAN

E - ESTIMATED

SASKATCHEWAN RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	432	476	415	811	986	848	1 280	928	583	513	314	287	648	1969
1970	---	---	---	---	---	886	---	---	---	378	---	---	---	1970
1971	---	558	---	---	1 040	840	867	796	432	348	417	349	---	1971
1972	---	423	491	622	1 350	915	1 250	1 010	562	520	341	290	---	1972
1973	473	520	503	691	913	---	---	---	---	461	328	387	---	1973
1974	493	545	814	946	2 230	1 860	1 220	886	783	685	517	434	915	1974
1975	494	534	504	637	1 060	983	940	555	416	401	411	341	623	1975
1976	442	544	543	768	431	333	383	447	486	480	298	316	452	1976
1977	447	488	382	518	459	579	409	362	436	352	238	270	410	1977
1978	389	374	353	498	872	899	740	526	559	642	368	323	530	1978
1979	---	---	---	531	1 380	891	481	377	337	307	274	227	---	1979
1980	281	492	492	898	556	723	771	438	394	502	401	234	498	1980
1981	413	448	418	752	545	886	750	1 070	673	486	412	236	591	1981
1982	388	439	411	596	793	573	708	571	378	378	311	271	485	1982
MEAN	425	496	473	698	967	800	815	662	502	458	356	305	572	MEAN

LOCATION - LAT 53 53 10 N DRAINAGE AREA, 328 000 km²
LONG 101 49 40 W REGULATED

SASKATCHEWAN RIVER NEAR MANITOBA BOUNDARY - STATION NO OSKH008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	1 850 ON JUL 23	3248 ON NOV 25	20 400 000	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	2 400A ON MAY 1 *	3778 ON DEC 31	28 900 000	1974
1975	---	1 190B ON MAY 1	2558 ON NOV 26	19 700 000	1975
1976	---	1 130B ON APR 16	225 ON JUN 21	14 300 000	1976
1977	---	827B ON APR 21	1598 ON NOV 22 *	12 800 000	1977
1978	---	1 380B ON MAY 1	2158 ON NOV 20	16 700 000	1978
1979	---	1 700E ON MAY 7	---	---	1979
1980	1 050 AT 00 00 CST ON APR 21	988E ON APR 20	1598 ON DEC 3	15 800 000	1980
1981	---	1 220E ON AUG 10	1888 ON DEC 19	14 800 000	1981
1982	1 480 AT 09:55 CST ON APR 28 *	1 410 ON APR 28	2038 ON NOV 22	15 300 000	1982
				18 100 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO OSKH009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	12.9	7.82	---	---	---	1970
1971	---	---	---	---	---	90.3	78.2	58.0	8.14	4.85	10.8	30.4	---	1971
1972	38.8	30.8	---	---	---	---	---	---	13.8	17.7	---	38.7	---	1972
1973	36.2	37.0	30.4	50.1	44.9	59.8	42.6	14.8	27.0	27.8	23.7	48.5	36.9	1973
1974	27.4	47.0	51.2	140	282	154	93.9	31.8	19.4	13.2	4.14	12.0	71.4	1974
1975	49.7 R	38.2 R	30.6 R	24.7 R	6.90R	5.75R	4.88R	20.3 R	16.4 R	14.0 R	8.98R	27.6 R	20.6 R	1975
1976	28.5	18.7	8.75	8.30	13.4	30.0	11.1	8.28	11.8	4.86	2.12	8.53	12.7	1976
1977	10.3	3.37	---	---	---	---	55.6	14.5	21.8	19.3	8.31	15.0	---	1977
1978	22.7	29.9	17.4	10.1	82.3	22.3	9.72	5.48	1.17	0.877	1.09	8.80	18.0	1978
1979	11.4	23.9	14.7	23.1	6.85	89.2	55.1	14.1	7.22	11.2	10.6	27.7	24.5	1979
1980	31.3	10.7	8.28	12.4	29.5	95.2	50.6	123	25.2	8.48	8.80	23.3	36.0	1980
1981	24.7	16.5	16.1	18.7	22.3	15.7	58.7	14.3	8.67	10.6	7.28	18.0	19.2	1981
1982	19.4	38.5	11.7	14.8	27.1	8.38	27.7	4.01	0.982	1.08	2.08	9.62	13.5	1982
1983	5.74	2.30	2.29	11.7	4.81	4.50	3.45	0.472	0.718	1.84	1.40	2.69	3.47	1983
1984	1.34	0.921	3.82	55.4	31.0	10.9	4.14	0.203	0.554	0.232	1.35	11.4	10.1	1984
1985	12.8	11.7	9.54	14.3	20.0	27.3	89.3	43.7	11.4	28.9	14.2	20.1	26.3	1985
MEAN	23.0 R	22.1 R	16.8 R	32.0 R	45.9 R	47.1 R	42.6 R	25.5 R	11.8 R	10.9 R	7.47R	20.1 R	24.4	MEAN

LOCATION - LAT 53 48 50 N
LONG 102 58 20 W
REGULATED

R - REVISED SINCE JAN 1980

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO OSKH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	170 AT 04:18 CST ON APR 26	148 ON APR 26	1.14 ON AUG 10	1 180 000	1973
1974	623 AT 12:26 CST ON APR 25 *	558 ON APR 25 *	1.23 ON OCT 14	2 250 000	1974
1976	---	---	---	---	1976
1977	105 AT 03:18 CST ON JUN 7	104 RB ON DEC 30	0.059R ON AUG 3	853 000R	1977
1978	---	75.3 ON JUN 7	0.0168 ON MAR 31	401 000	1978
1979	136 B AT 12:24 CST ON MAY 8	---	0 B ON JAN 1 *	---	1979
1980	131 AT 07:26 CST ON JUL 7	131 B ON MAY 8	0 B ON APR 14	585 000	1980
1981	230 AT 02:49 CST ON AUG 10	128 ON JUL 7	0.2018 ON JAN 1	774 000	1981
1982	128 AT 04:25 CST ON JUL 14	214 ON AUG 3	0.4318 ON OCT 29	1 130 000	1982
1983	102 B AT 03:07 CST ON APR 29	120 ON JUL 14	0 780 ON SEP 20	804 000	1983
1984	92.6 AT 23:00 CST ON APR 18	88.48 ON APR 29	0 021 ON SEP 12	426 000	1984
1985	158 AT 15:55 CST ON APR 23	63.58 ON APR 18	0.0398 ON FEB 23	110 000	1985
1986	337 AT 06:20 CST ON JUL 22	158 ON APR 23	0.0158 ON FEB 21	319 000	1986
		325 ON JUL 22	0.7138 ON APR 2	830 000	
				759 000R	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	---	---	---	0.227	0	---	---	1968
1969	---	---	---	---	0	0	0	0.061	0.907	0.312	0	---	---	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	0	0	0.191	0.152	0.032	0	0	---	---	0.047	1971
1972	---	---	0	0.248	0	0	0	0	0.150	0.027	---	---	0.052	1972
1973	---	---	0	0.090	0.042	0.045	0	0.032	0.057	0.007	---	---	0.034	1973
1974	---	---	---	---	0.036	0.054	0.056	0.061	0.080	0.021	---	---	---	1974
1975	---	---	---	---	---	0.008	---	---	---	---	---	---	---	1975
1976	---	---	---	---	---	0.013	0.029	0.041	---	---	---	---	---	1976
1977	---	---	---	---	0.062	0.025	0	0	0.026	---	---	---	---	1977
1978	---	---	0	0	0.008	0.030	0.088	0.080	0.038	0	---	---	0.031	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0.352	0.349	0	0.040	0.007	0	0	0	---	---	0.083	1981
1982	---	---	0	0	0.051	0.067	0	0	0	0	---	---	0.015	1982
1983	---	---	0.293	0.527	0	0	0	0	0	0	---	---	0.102	1983
1984	---	---	0.270	0.398	0.057	0.114	0	0	0.188	0.037	---	---	0.129	1984
MEAN	---	---	0.092	0.181	0.018	0.037	0.024	0.022	0.108	0.049	0	---	0.050	MEAN

LOCATION - LAT 51 45 21 N
LONG 105 38 56 W REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	0 ON MAY 1 *	---	1968
1969	---	1.22 ON OCT 3	0 ON MAY 1	---	1969
1970	---	---	0 ON SEP 9	---	1970
1971	---	0.674 ON JUL 24	0 ON MAR 1	988	1971
1972	---	1.04 ON APR 21	0 ON MAR 1	1 100	1972
1973	---	0.731 ON APR 18	0E ON MAR 1	716	1973
1974	---	0.547 ON MAY 14	0 ON MAY 1	---	1974
1975	---	---	0 ON MAY 19	---	1975
1976	---	0.227E ON AUG 10	0 ON JUN 1	---	1976
1977	---	0.227E ON JUN 10	0 ON MAY 1	---	1977
1978	---	0.623 ON AUG 29	0 ON MAR 1	648	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0.875 ON APR 2	0 ON MAR 1	1 970	1981
1982	---	0.177 ON JUN 22	0 ON MAR 1	311	1982
1983	---	1.04 ON APR 2	0 ON MAR 1	2 150	1983
1984	---	1.28 ON APR 9 *	0 ON MAR 1	2 740	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 060	MEAN

E - ESTIMATED

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERVOIR - STATION NO. 05HG008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	2.18	0.002	1.40	2.16	1.81	---	---	---	1968
1969	---	---	---	---	0	0.307	0.418	0.692	2.19	0.002	---	---	---	1969
1970	---	---	0	0	0	0.074	0.451	0.573	1.33	0.004	---	---	0.302	1970
1971	---	---	0	0	0.314	0.004	0.170	1.54	0	0	---	---	0.257	1971
1972	---	---	0	0	0.001	0	0	0.410	2.19	0.806	---	---	0.422	1972
1973	---	---	0	0	0	0.339	2.00	1.62	1.55	0.353	---	---	0.734	1973
1974	---	---	0	0	0.131	0.574	0.374	0.749	1.70	0.197	---	---	0.462	1974
1975	---	---	---	---	0	0	0	0.508	1.42	0.516	---	---	---	1975
1976	---	---	0	0.276	0.153	0.438	0.482	0.700	0.566	0	---	---	0.326	1976
1977	---	---	0	0	0.513	0.913	0	0.469	1.94	0.309	---	---	0.513	1977
1978	---	---	0	0	0	0.938	0.693	0.981	1.10	0.476	---	---	0.522	1978
1979	---	---	0	0.001	0	0	0	0.110	1.19	0.281	---	---	0.195	1979
1980	---	---	0	0	0	0.150	0.100	0.726	2.00	0.028	---	---	0.371	1980
1981	---	---	0	0	0.269	1.23	1.05	0.764	1.20	0.365	---	---	0.608	1981
1982	---	---	0	0	0.492	0.262	0.299	0.238	0.643	0.120	---	---	0.281	1982
1983	---	---	0	0	0.318	1.63	0.566	0.284	0	0	---	---	0.347	1983
1984	---	---	0	0	1.17	1.92	0.837	0.640	2.27	0.473	---	---	0.908	1984
1985	---	---	0	0	0.058	0.282	0.777	0.436	0.178	0	---	---	0.217	1985
MEAN	---	---	0	0.018	0.201	0.625	0.457	0.713	1.32	0.318	---	---	0.431	MEAN

LOCATION - LAT 51 51 17 N
LONG 105 21 18 W REGULATED SINCE 1967

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERVOIR - STATION NO. 05HG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	4.30 ON JUN 11 *	0 ON JUL 3 *	---	1968
1969	---	2.76 ON SEP 6	0 ON MAY 1	---	1969
1970	---	1.98 ON SEP 24	0 ON MAR 1	5 400	1970
1971	---	1.78 ON AUG 11	0B ON MAR 1	5 440	1971
1972	---	3.03 ON SEP 21	0B ON MAR 1	8 830	1972
1973	---	3.40 ON AUG 15	0B ON MAR 1	15 500	1973
1974	---	2.08 ON SEP 11	0B ON MAR 1	9 780	1974
1975	---	2.10 ON SEP 10	0E ON MAY 1	---	1975
1976	---	1.53 ON SEP 11	0 ON MAR 1	6 810	1976
1977	---	2.55 ON MAY 26	0 ON MAR 1	10 800	1977
1978	---	1.89 ON JUN 21	0E ON MAR 1	11 000	1978
1979	---	2.14 ON SEP 27	0E ON MAR 1	4 140	1979
1980	---	2.45 ON SEP 10	0 ON MAR 1	7 880	1980
1981	---	1.72 ON SEP 19	0 ON MAR 1	12 900	1981
1982	---	1.52 ON SEP 17	0E ON MAR 1	5 980	1982
1983	---	2.47 ON JUN 12	0 ON MAR 1	7 350	1983
1984	---	2.87 ON SEP 22	0 ON MAR 1	19 200	1984
1985	---	1.22 ON JUL 10	0 ON MAR 1	4 800	1985
				9 120	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	2.88	5.39	6.70	5.88	5.16	---	---	1967
1968	---	---	---	---	---	---	4.96	2.64	0.803	---	---	---	---	1968
1969	---	---	---	---	0.890	1.00	0.500	2.36	1.74	0	---	---	---	1969
1970	---	---	0	0	0	0	0	0	1.88	0.599	---	---	0.306	1970
1971	---	---	0	0	0.445	0	0.133	1.47	0	0	---	---	0.258	1971
1972	---	---	0	0	0	0	0.481	2.84	3.03	0.428	---	---	0.846	1972
1973	---	---	0	0	0.123	0.552	2.94	1.98	2.05	0.618	---	---	1.04	1973
1974	---	---	0	0	0	0	0	1.08	1.51	0.013	---	---	0.320	1974
1975	---	---	---	---	0.415	0.425	0.312	1.50	1.53	0.485	---	---	---	1975
1976	---	---	0	0	0.011	0.454	0.609	1.80	0	0	---	---	0.383	1976
1977	---	---	0	0	0	1.95	0.711	1.88	2.85	0.051	---	---	0.921	1977
1978	---	---	0	0	0.296	1.71	0.883	1.81	1.97	0	---	---	0.828	1978
1979	---	---	0	0	0	0.133	0.115	0.158	1.77	0.307	---	---	0.306	1979
1980	---	---	0	0	0.799	1.01	0.364	1.45	2.97	0.076	---	---	0.824	1980
1981	---	---	0	0	0.775	1.89	1.23	1.45	2.86	0	---	---	1.02	1981
1982	---	---	0	0	1.34	0.349	0.446	0.312	1.55	0	---	---	0.489	1982
1983	---	---	0	0	0.844	1.12	2.36	1.13	0.325	0.113	---	---	0.714	1983
1984	---	---	0	0	1.49	2.12	1.02	2.87	4.35	0.223	---	---	1.50	1984
1985	---	---	0	0	0	1.08	0.836	1.40	1.59	0	---	---	0.810	1985
MEAN	---	---	0	0	0.413	0.811	1.08	1.82	2.08	0.550	5.16	---	0.890	MEAN

LOCATION - LAT 51 37 13 N
LONG 106 32 36 W
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1967

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.45 ON JUL 31 *	0 ON JUL 1 *	---	1967
1968	---	5.74 ON AUG 1	0 ON JUL 1	---	1968
1969	---	4.08A ON APR 25	0 ON MAY 7	---	1969
1970	---	4.16 ON SEP 28	0 ON MAR 1	5 480	1970
1971	---	3.11 ON MAY 17	0B ON MAR 1	5 480	1971
1972	---	3.45 ON AUG 17	0B ON MAR 1	17 500	1972
1973	---	3.45 ON JUL 15	0B ON MAR 1	22 000	1973
1974	---	3.00 ON AUG 3	0 ON MAR 1	6 780	1974
1975	---	2.78 ON JUN 1	0E ON MAY 1	---	1975
1976	---	2.83 ON AUG 8	0 ON MAR 1	7 870	1976
1977	---	3.74 ON SEP 3	0 ON MAR 1	18 500	1977
1978	---	3.03 ON SEP 16	0B ON MAR 1	17 500	1978
1979	---	3.65 ON SEP 15	0 ON MAR 1	6 480	1979
1980	---	3.24 ON SEP 28	0 ON MAR 1	17 400	1980
1981	---	3.58 ON SEP 29	0 ON MAR 1	21 800	1981
1982	---	4.09 ON MAY 18	0 ON MAR 1	10 800	1982
1983	---	4.71 ON JUL 11	0 ON MAR 1	15 100	1983
1984	---	4.82 ON SEP 15	0 ON MAR 1	31 800	1984
1985	---	2.33 ON AUG 31	0 ON MAR 1	12 900	1985
				14 600	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR - STATION NO. 05HG019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	6.46	7.41	7.53	---	---	---	1967
1968	---	---	---	---	0	0.025	1.55	2.49	0.088	0	0	---	---	1968
1971	---	---	0	0	0.009	0.007	0.329	1.50	0.024	0.016	---	---	0.238	1971
1972	---	---	0	0.119	0.257	0.910	0.171	2.91	2.80	0.128	---	---	0.908	1972
1973	---	---	0	2.48	1.04	1.59	2.02	1.86	2.55	0	---	---	1.43	1973
1974	---	---	---	---	---	0.007	0.176	0.006	---	---	---	---	---	1974
1975	---	---	---	---	---	---	---	1.47	1.45	0.530	---	---	---	1975
1976	---	---	0	0	0.001	0.005	0.038	0.023	0	0.008	---	---	0.010	1976
1977	---	---	0	0	1.65	2.03	1.09	2.20	2.63	0.006	---	---	1.20	1977
1978	---	---	0	0	2.26	1.98	1.07	2.18	2.06	0.069	---	---	1.20	1978
1979	---	---	0	0	0	0.351	0.624	0.711	1.49	0.094	---	---	0.407	1979
1980	---	---	0	0	2.03	1.50	1.13	2.05	3.82	0.007	---	---	1.31	1980
1981	---	---	0	0	4.00	1.85	1.78	2.25	3.65	0.026	---	---	1.68	1981
1982	---	---	0	0.001	3.04	0.723	1.26	1.01	1.83	0.039	---	---	0.865	1982
1983	---	---	0	0.738	2.53	2.31	1.48	0.988	0.673	0.007	---	---	1.08	1983
1984	---	---	0	1.68	2.36	3.28	2.46	4.12	4.70	0.253	---	---	2.35	1984
1985	---	---	0	0	0.163	1.47	2.73	2.28	1.92	0.001	---	---	1.07	1985
1986	---	---	0	0	0.852	2.58	---	2.13	1.13	0.003	---	---	---	1986
MEAN	---	---	0	0.358	1.35	1.29	1.19	2.04	2.24	0.513	0	---	1.07	MEAN

LOCATION - LAT 51 29 01 N
LONG 106 50 53 W REGULATED

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	2.89 ON JUL 23	0 ON MAY 1 *	---	1968
1971	---	4.25 ON AUG 7	0 ON MAR 1	5 040	1971
1972	---	3.06 ON AUG 26	0 ON MAR 1	19 200	1972
1973	---	3.09 ON APR 16	0E ON MAR 1	30 300	1973
1974	---	0.515 ON JUL 23	0 ON JUN 1	---	1974
1975	---	2.29 ON AUG 16	0 ON AUG 3	---	1975
1976	---	0.195 ON JUL 20	0 ON MAR 1	204	1976
1977	---	4.28 ON JUN 5	0 ON MAR 1	25 300	1977
1978	---	4.36 ON MAY 22	0B ON MAR 1	25 500	1978
1979	---	3.27 ON SEP 26	0 ON MAR 1	8 610	1979
1980	---	4.12 ON SEP 28	0 ON MAR 1	27 800	1980
1981	---	5.08 ON SEP 29 *	0 ON MAR 1	35 800	1981
1982	---	4.77 ON SEP 15	0E ON MAR 1	20 400	1982
1983	---	4.35 B ON MAY 9	0 ON MAR 1	23 100	1983
1984	---	5.16 ON SEP 14	0 ON MAR 1	49 700	1984
1985	---	3.51 ON JUL 11	0 ON MAR 1	22 700	1985
1986	---	---	0 ON MAR 1	---	1986
				22 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR - STATION NO. 05HG009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.088	0.806	1.20	1.02	---	---	---	1968
1969	---	---	---	---	0	0	0	0.072	1.20	0.378	---	---	---	1969
1970	---	---	0	0	0	0	0	0	0.895	0.084	---	---	0.096	1970
1971	---	---	0	0	0	0.299	0.326	0.301	0	0	---	---	0.116	1971
1972	---	---	0	0.247	0.004	0.002	0.036	0.099	0.804	0.146	---	---	0.141	1972
1973	---	---	0	0.437	0.705	0.442	0.002	0.669	0.855	0.102	---	---	0.389	1973
1974	---	---	0	0	0.404	0.517	0.590	0.807	0.778	0.183	---	---	0.410	1974
1975	---	---	---	---	0.440	0.589	0.018	0.084	0.082	0.021	---	---	---	1975
1976	---	---	0	0	0.001	0.535	0.466	0.209	0.054	0	---	---	0.158	1976
1977	---	---	0	0	0.866	0.227	0	0.041	0.450	0	---	---	0.172	1977
1978	---	---	0	0.011	0.457	0.567	0.559	0.678	0.080	0.001	---	---	0.295	1978
1979	---	---	0	0.001	0.001	0.001	0.001	0.053	0.064	0.002	---	---	0.015	1979
1980	---	---	0	0	0	0	0.045	0.089	0	0	---	---	0.017	1980
1981	---	---	0.577	0.479	0	0.617	0.190	0	0	0.002	---	---	0.232	1981
1982	---	---	0	0	0.511	0.877	0.001	0	0.001	0.001	---	---	0.148	1982
1983	---	---	0.434	0.575	0.002	0	0.008	0	0	0	---	---	0.126	1983
1984	---	---	0.414	0.488	0.205	0.618	0	0	0.676	0.100	---	---	0.309	1984
1985	---	---	0	0.001	0.005	0.001	0.014	0.149	0	0	---	---	0.022	1985
MEAN	---	---	0.095	0.149	0.200	0.300	0.129	0.224	0.374	0.113	---	---	0.177	MEAN

LOCATION - LAT 51 48 23 N
LONG 105 45 23 W REGULATED

SASKATOON S.E PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR - STATION NO 05HG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	1.75 ON AUG 21	0 ON JUL 1 *	---	1968
1969	---	1.42 ON OCT 3	0 ON MAY 1	---	1969
1970	---	1.07 ON SEP 27	0 ON MAR 1	2 020	1970
1971	---	0.838 ON AUG 6	0E ON MAR 1	2 460	1971
1972	---	1.14 ON APR 25	0E ON MAR 1	2 980	1972
1973	---	1.25 ON JUN 14	0E ON MAR 1	8 480	1973
1974	---	1.13 ON AUG 18	0E ON MAR 1	8 670	1974
1975	---	1.01 ON MAY 15	0E ON MAY 1	---	1975
1976	---	1.29 ON JUN 4	0 ON MAR 1	3 240	1976
1977	---	0.889 ON SEP 13	0 ON MAR 1	3 850	1977
1978	---	0.980 ON AUG 11	0E ON MAR 1	6 250	1978
1979	---	0.145 ON SEP 11	0E ON MAR 1	323	1979
1980	---	0.197 ON AUG 9	0 ON MAR 1	358	1980
1981	---	1.54 ON MAR 28	0E ON MAR 1	4 910	1981
1982	---	0.996 ON JUN 24	0E ON MAR 1	3 130	1982
1983	---	1.13 ON APR 13	0E ON MAR 1	2 870	1983
1984	---	1.77 ON APR 6 *	0E ON MAR 1	6 540	1984
1985	---	0.414 ON AUG 10	0E ON MAR 1	456	1985
				3 750	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR - STATION NO 05HG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	2.57	6.05	6.84	6.72	5.93	---	---	1967
1968	---	---	---	---	0	0	4.29	2.56	0.773	0	0	---	---	1968
1969	---	---	---	1.22	0.877	1.01	0.501	2.27	1.72	0	0	---	---	1969
1970	---	---	0	0	0	0	0	0	1.55	0.511	---	---	0.284	1970
1971	---	---	0	0	0.310	0	0.129	1.58	0.009	0	---	---	0.257	1971
1972	---	---	0	0	0	0	0.498	2.32	2.75	0.571	---	---	0.788	1972
1973	---	---	0	0	0.146	0.472	2.45	1.64	2.01	0.883	---	---	0.924	1973
1974	---	---	---	---	0	0	0	0.972	1.51	0.046	---	---	---	1974
1975	---	---	---	---	0.306	0.444	0.185	1.53	1.80	0.531	---	---	---	1975
1976	---	---	---	0.221	0.023	0.920	0.607	2.01	---	---	---	---	---	1976
1977	---	---	---	---	---	1.93	0.555	1.78	2.62	---	---	---	---	1977
1978	---	---	0	0	0.248	1.49	0.884	1.58	1.96	0	---	---	0.740	1978
1979	---	---	0	0	0	0.087	0.099	0.155	1.48	0.351	---	---	0.268	1979
1980	---	---	0	0	0.775	0.988	0.243	1.17	3.03	0.130	---	---	0.783	1980
1981	---	---	0	0	0.587	1.59	1.01	1.43	2.89	0.081	0	---	0.942	1981
1982	---	---	0	0	1.23	0.344	0.289	0.145	1.58	0.002	---	---	0.446	1982
1983	---	---	0	0	0.574	1.03	2.26	1.08	0.305	0.117	---	---	0.671	1983
1984	---	---	0	0	1.51	1.80	0.711	2.25	3.75	0.302	---	---	1.28	1984
MEAN	---	---	0	0.111	0.400	0.711	0.949	1.89	2.13	0.827	1.48	---	0.856	MEAN

LOCATION - LAT 51 40 50 N
LONG 106 25 35 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1967

SASKATOON S E PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR - STATION NO 05HG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.22 ON SEP 11 *	0 ON JUL 1 *	---	1967
1968	---	6.46 ON JUL 21	0 ON MAY 1	---	1968
1969	---	3.77 ON APR 24	0 ON APR 1	---	1969
1970	---	3.11 ON OCT 1	0 ON MAR 1	5 380	1970
1971	---	2.24 ON AUG 10	0 ON MAR 1	5 430	1971
1972	---	3.17 ON SEP 29	0 ON MAR 1	16 200	1972
1973	---	3.03 ON JUL 16	0E ON MAR 1	19 800	1973
1974	---	2.41 ON SEP 7	0 ON MAY 1	---	1974
1975	---	2.78 ON AUG 22	0E ON MAY 1	---	1975
1976	---	7.08E ON JUN 8	0E ON APR 1	---	1976
1977	---	3.77 ON JUN 22	---	---	1977
1978	---	3.11 ON SEP 18	0 ON MAR 1	15 700	1978
1979	---	3.34 ON SEP 15	0 ON MAR 1	5 880	1979
1980	---	3.61 ON SEP 15	0 ON MAR 1	16 800	1980
1981	---	4.88 ON SEP 30	0 ON MAR 1	20 000	1981
1982	---	4.17 ON MAY 18	0 ON MAR 1	9 450	1982
1983	---	4.64 ON JUL 11	0 ON MAR 1	14 200	1983
1984	---	4.13 ON SEP 12	0 ON MAR 1	27 200	1984
				14 100	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR - STATION NO. 05HG007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	6.87	7.38	7.42	---	---	---	1967
1968	---	---	---	---	0	0	3.16	2.24	0	0	0	---	---	1968
1969	---	---	---	---	0	0	1.49	2.52	0.144	---	---	---	---	1969
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1970
1971	---	---	0	0	0	0	0.221	1.37	0	0	---	---	0.201	1971
1972	---	---	0	0	0	0	0	2.62	2.63	0.214	---	---	0.704	1972
1973	---	---	0	2.31	1.03	1.38	1.71	1.55	2.33	1.15	---	---	1.62	1973
1974	---	---	---	0	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	---	2.11	0.230	0	1.61	1.95	0.713	---	---	---	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---	---	1976
1977	---	---	---	---	1.47	2.04	0.881	2.01	2.63	0.006	---	---	---	1977
1978	---	---	0	0	2.36	1.60	0.708	1.91	2.15	0.029	---	---	1.09	1978
1979	---	---	0	0	0	0.216	0.368	0.585	1.28	0.172	---	---	0.323	1979
1980	---	---	0	0	1.80	1.02	0.688	1.55	3.81	0.345	---	---	1.19	1980
1981	---	---	0	0	3.38	1.59	1.01	1.81	2.98	0.113	0	---	1.36	1981
1982	---	---	0	0	2.62	0.557	0.852	0.886	1.53	0.103	---	---	0.815	1982
1983	---	---	0	0.675	2.40	1.68	1.23	0.592	0.555	0.028	---	---	0.893	1983
1984	---	---	0	1.50	1.91	2.43	1.41	3.55	4.25	0.302	---	---	1.91	1984
MEAN	B	B	0	0.374	1.11	0.750	0.806	1.76	1.87	0.623	0	0	0.892	MEAN

LOCATION - LAT 51 35 15 N
LONG 106 30 30 W REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR - STATION NO. 05HG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	12.2 ON JUL 31 *	---	---	1967
1968	---	4.76 ON JUL 12	0 ON MAY 1 *	---	1968
1969	---	3.03 ON JUL 16	0 ON MAY 1	---	1969
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	---	4.11 ON AUG 7	0 ON MAR 1	4 260	1971
1972	---	3.09 ON SEP 28	0 ON MAR 1	14 900	1972
1973	---	2.97 ON APR 14	0E ON MAR 1	30 200	1973
1974	---	0 ON APR 1	0 ON APR 1	---	1974
1975	---	2.86 ON MAY 31	0 ON MAY 1	---	1975
1976	---	0 ON MAY 1	0 ON MAY 1	---	1976
1977	---	3.98 ON JUN 6	0 ON MAY 1	---	1977
1978	---	4.39 ON MAY 12	0 ON MAR 1	23 100	1978
1979	---	2.58 ON SEP 27	0E ON MAR 1	8 640	1979
1980	---	4.52 ON SEP 30	0 ON MAR 1	23 200	1980
1981	---	5.20 ON SEP 30	0 ON MAR 1	28 800	1981
1982	---	4.42 ON SEP 16	0 ON MAR 1	17 200	1982
1983	---	4.23 ON APR 28	0 ON MAR 1	18 900	1983
1984	---	4.80 ON SEP 19	0 ON MAR 1	40 400	1984
				18 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR - STATION NO. 05HG011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	0.075	0.494	1.84	0.017	1.36	1.90	1.04	0	---	---	1968
1969	---	---	---	---	0	0	0	0.169	2.05	0.083	0	---	---	1969
1970	---	---	0	0	0	0	0	0.454	1.16	0.039	---	---	0.204	1970
1971	---	---	0	0	0.094	0	0.089	1.12	0.019	0	---	---	0.188	1971
1972	---	---	0	0	0	0	0	0	1.16	0.695	---	---	0.229	1972
1973	---	---	0	0	0	0	1.69	0.960	0.975	0.482	---	---	0.516	1973
1974	---	---	---	---	---	0.341	---	---	1.40	0.322	---	---	---	1974
1975	---	---	---	---	---	---	---	0.385	1.04	0.326	---	---	---	1975
1976	---	---	---	---	---	0.237	0.443	0.429	0.316	---	---	---	---	1976
1977	---	---	---	---	0.317	0.354	0	0.217	1.51	---	---	---	---	1977
1978	---	---	0	0	0	0.892	0.675	0.562	0.767	0.416	---	---	0.388	1978
1979	---	---	0	0	0	0	0	0	0.363	0.315	---	---	0.084	1979
1980	---	---	0	0	0	0	0	0	1.15	0.131	---	---	0.158	1980
1981	---	---	0	0	0.322	1.00	0.485	0.215	0.672	0.437	---	---	0.398	1981
1982	---	---	0	0	0.183	0.117	0.137	0.110	0.451	0.180	---	---	0.148	1982
1983	---	---	0	0	0.272	1.35	0.221	0.063	0	0	---	---	0.235	1983
1984	---	---	0	0	0.792	1.44	0.436	0.132	1.04	0.554	---	---	0.546	1984
MEAN	---	---	0	0.006	0.177	0.454	0.278	0.386	0.939	0.333	0	---	0.278	MEAN

LOCATION - LAT 51 50 24 N
LONG 105 51 22 W REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR - STATION NO 05HG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	3.03 ON JUN 6 *	0 ON APR 1 *	---	1968
1969	---	2.38 ON SEP 22	0 ON MAY 1	---	1969
1970	---	1.68 ON SEP 19	0 ON MAR 1	4 310	1970
1971	---	1.27 ON AUG 21	0 ON MAR 1	3 550	1971
1972	---	1.58E ON SEP 13	0 ON MAR 1	4 440	1972
1973	---	2.72 ON SEP 28	0E ON MAR 1	10 800	1973
1974	---	---	0E ON JUN 28	---	1974
1975	---	1.67 ON AUG 27	0E ON AUG 1	---	1975
1976	---	1.01 ON SEP 13	0E ON JUN 1	---	1976
1977	---	1.97 ON SEP 25	0 ON MAY 1	---	1977
1978	---	1.83 ON JUN 22	0 ON MAR 1	8 200	1978
1979	---	1.50 ON OCT 6	0 ON MAR 1	1 750	1979
1980	---	1.86 ON SEP 18	0 ON MAR 1	3 340	1980
1981	---	1.37 ON SEP 30	0 ON MAR 1	8 430	1981
1982	---	1.15 ON SEP 28	0 ON MAR 1	3 130	1982
1983	---	2.21 ON JUN 13	0 ON MAR 1	4 980	1983
1984	---	2.38 ON SEP 25	0 ON MAR 1	11 500	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 810	MEAN

E - ESTIMATED

SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DELLWOOD RESERVOIR - STATION NO 05JJ007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	0	0	0.481	0.532	0	---	---	1968
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	1969
1970	---	---	---	---	---	---	---	---	0.285	---	---	---	---	1970
1971	---	---	0	0	0	0	0.014	0.213	0	0	---	---	0.028	1971
1972	---	---	0	0	0	0	0	0	0.248	0.102	---	---	0.043	1972
1973	---	---	0	0.036	0.088	0.033	0	0.112	0.184	0.092	---	---	0.069	1973
1974	---	---	---	0	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	0	0	0	0	0	0	0	---	---	---	1975
1976	---	---	---	---	---	0.332	0.433	0.176	---	---	---	---	---	1976
1977	---	---	---	---	0.526	0.199	0	0	0.332	---	---	---	---	1977
1978	---	---	0	0	0.333	0.436	0.430	0.555	0.072	0	---	---	0.229	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0.389	0.142	0	0	0	---	---	0.087	1981
1982	---	---	0	0	0.361	0.501	0	0	0	0	---	---	0.107	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0.100	0.397	0	0	0.389	0.105	---	---	0.122	1984
MEAN	0	0	0	0.003	0.084	0.144	0.084	0.065	0.128	0.059	0	0	0.061	MEAN

LOCATION - LAT 51 48 10 N
LONG 105 30 38 W REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DELLWOOD RESERVOIR - STATION NO 05JJ007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.851 ON OCT 6	0 ON MAY 1 *	---	1968
1969	---	0 ON MAR 1	0 ON MAR 1	0	1969
1970	---	0.809 ON SEP 18	0 ON SEP 1	---	1970
1971	---	0.535 ON AUG 11	0 ON MAR 1	898	1971
1972	---	0.486 ON OCT 3	0 ON MAR 1	911	1972
1973	---	0.848 ON OCT 1	0E ON MAR 1	1 480	1973
1974	---	0 ON APR 1	---	---	1974
1975	---	---	---	---	1975
1976	---	0.523 ON JUL 30	0 ON JUN 1	---	1976
1977	---	0.705 ON MAY 5	0 ON MAY 1	---	1977
1978	---	0.685 ON JUN 14	0 ON MAR 1	4 850	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0.718 ON JUN 14 *	0 ON MAR 1	1 410	1981
1982	---	0.700 ON JUN 16	0 ON MAR 1	2 270	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	---	0.801 ON OCT 4	0 ON MAR 1	2 580	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 380	MEAN

E - ESTIMATED

SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MANITOU PUMPING STATION - STATION NO. 05JJ005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	0	0.024	0.539	0.567	0	---	---	1968
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	1969
1970	---	---	---	---	---	---	---	---	0.268	---	---	---	---	1970
1971	---	---	0	0	0	0	0.029	0.222	0	0	---	---	0.032	1971
1972	---	---	0	0	0	0	0	0	0.362	0.102	---	---	0.060	1972
1973	---	---	0	0.243	0.609	0.311	0	0.458	0.809	0.080	---	---	0.280	1973
1974	---	---	---	---	0.339	0.419	0.538	0.472	0.823	0.178	---	---	---	1974
1975	---	---	---	---	0.334	0.405	---	---	---	---	---	---	---	1975
1976	---	---	---	---	---	0.277	0.468	0.185	---	---	---	---	---	1976
1977	---	---	---	---	0.574	0.205	0	0	0.335	---	---	---	---	1977
1978	---	---	0	0	0.388	0.445	0.470	0.572	0.058	0	---	---	0.243	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0.481	0.151	0	0	0	---	---	0.078	1981
1982	---	---	0	0	0.427	0.530	0	0	0	0	---	---	0.119	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0.130	0.441	0	0	0.536	0.089	---	---	0.149	1984
MEAN	0	0	0	0.022	0.187	0.338	0.109	0.129	0.324	0.081	0	0	0.068	MEAN

LOCATION - LAT 51 45 21 N
LONG 105 38 56 W REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MANITOU PUMPING STATION - STATION NO. 05JJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.722 ON OCT 6 *	0 ON MAY 1 *	---	1968
1969	---	0 ON MAR 1	0 ON MAR 1	0	1969
1970	---	---	0 ON SEP 1	---	1970
1971	---	0.888 ON AUG 12	0 ON MAR 1	978	1971
1972	---	0.851 ON OCT 3	0 ON MAR 1	1 380	1972
1973	---	0.851 ON AUG 22	0E ON MAR 1	8 110	1973
1974	---	0.633 ON SEP 1	0 ON MAY 1	---	1974
1975	---	---	0 ON MAY 1	---	1975
1976	---	0.639 ON JUL 1	0 ON JUN 1	---	1976
1977	---	0.880 ON SEP 29	0 ON MAY 1	---	1977
1978	---	0.851 ON JUL 24	0 ON MAR 1	5 140	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0.700 ON JUL 3	0 ON MAR 1	1 850	1981
1982	---	0.851 ON MAY 25	0 ON MAR 1	2 510	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	---	0.673 ON SEP 17	0 ON MAR 1	3 140	1984
				1 880	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHAND CREEK NEAR GILLABOUCH - STATION NO. 05LB006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	3.38	8.43	---	---	---	---	---	---	---	---	1956
1957	---	---	---	13.4	4.54	---	---	---	---	---	---	---	---	1957
1958	---	---	0.455	---	---	---	---	---	---	---	---	---	---	1958
1960	---	---	---	11.3	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	1.27	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	10.6	---	---	---	---	---	---	---	---	---	1962
1963	---	---	0.411	---	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	10.6	2.02	1.72	0.780	0.105	0	0	---	---	1.67	1965
1967	---	---	0	1.71	11.3	0.470	0	0	0	0	---	---	1.70	1967
1968	---	---	1.36	1.06	0.030	0.032	0.018	0.036	0.018	0.013	---	---	0.318	1968
1969	---	---	0	0.98	0.175	0.018	0.001	0	0	0.018	---	---	0.278	1969
1970	---	---	0	6.94	3.72	0.668	2.36	0.018	0	0.008	---	---	1.70	1970
1971	---	---	0	10.5	0.309	0.036	0	0	0	0	---	---	1.38	1971
1972	---	---	0	18.3	2.61	0.003	0	0	0	0	---	---	2.57	1972
1973	---	---	0.037	3.01	0.202	1.90	1.03	0	0	0	---	---	0.701	1973
1974	---	---	0	14.5	4.85	1.54	0.001	0	0.002	0.027	---	---	2.60	1974
1975	---	---	0	7.84	2.01	1.18	0.178	0	0.002	0.178	---	---	1.42	1975
1976	---	---	0	8.24	0.048	3.41	0.887	0.002	0	0	---	---	1.01	1976
1977	---	---	0	1.43	0.480	0.078	0	0	0	0	---	---	0.243	1977
1978	---	---	0	10.2	0.551	0.084	0.004	0	0	0	---	---	1.32	1978
1979	---	---	0	14.7	3.85	2.31	0.041	0	0	0	---	---	2.57	1979
1980	---	---	0	3.74	0.004	0	0	0	0	0	---	---	0.336	1980
1981	---	---	0.011	0.380	0.014	0	0	0	0	0	---	---	0.104	1981
1982	---	---	0	2.12	0.032	0.205	0	0	0	0	---	---	0.268	1982
1983	---	---	0	5.77	0.519	1.00	2.36	0.138	0	0	---	---	1.21	1983
1984	---	---	0.416	3.88	1.85	3.88	0.079	0	0	0	---	---	1.23	1984
1985	---	---	0	11.5	1.36	0.450	0.034	0	0	0	---	---	1.63	1985
1986	---	---	0.007	9.58	0.544	0.084	0	0	0	0	---	---	1.25	1986
MEAN	---	---	0.150	7.28	2.14	0.884	0.354	0.014	0.001	0.012	---	---	1.28	MEAN

LOCATION - LAT 52 37 08 N
LONG 102 45 05 W

DRAINAGE AREA, 880 km^2
NATURAL FLOW

SHAND CREEK NEAR DILLABOUGH - STATION NO 05LB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	0E ON APR 1 *	---	1956
1957	---	---	0E ON APR 1	---	1957
1958	---	---	0E ON MAR 1	---	1958
1960	---	---	0E ON APR 1	---	1960
1961	---	---	0E ON APR 1	---	1961
1962	---	---	0E ON APR 1	---	1962
1963	---	---	0E ON MAR 1	---	1963
1964	---	---	0 ON APR 9	---	1964
1966	---	64.0 ON APR 15	0E ON MAR 1	39 800	1966
1967	---	41.6 E ON MAY 1	0E ON MAR 1	35 000	1967
1968	---	9.288 ON MAR 28	0E ON MAR 1	6 740	1968
1969	---	36.8 ON APR 12	0E ON MAR 1	18 800	1969
1970	---	28.9 ON APR 20	0E ON MAR 1	36 100	1970
1971	---	54.1 ON APR 15	0E ON MAR 1	29 300	1971
1972	104 E AT 23 59 CST ON APR 23 *	94.9 ON APR 24 *	0E ON MAR 1	54 500	1972
1973	---	14.4 ON APR 20	0E ON MAR 1	15 100	1973
1974	---	89.5 ON APR 21	0E ON MAR 1	55 000	1974
1975	46.7 AT 20 49 CST ON APR 23	45.3 ON APR 23	0E ON MAR 1	30 000	1975
1976	32.3 AT 19 30 CST ON APR 8	30.3 ON APR 8	0E ON MAR 1	21 500	1976
1977	---	10.5 E ON APR 10	0E ON MAR 1	5 150	1977
1978	51.2 AT 04 12 CST ON APR 20	49.3 R ON APR 20	0E ON MAR 1	25 000	1978
1979	85.5 AT 15 51 CST ON APR 22	84.8 ON APR 22	0E ON MAR 1	54 500	1979
1980	18.5 AT 00 26 CST ON APR 13	15.3 ON APR 13	0E ON MAR 1	7 120	1980
1981	4.67 AT 04 57 CST ON APR 1	3.71 ON APR 1	0E ON MAR 1	3 480	1981
1982	15.5 AT 14 45 CST ON APR 18	14.9 E ON APR 18	0E ON MAR 1	6 100	1982
1983	44.9 AT 15 38 CST ON APR 23	42.9 ON APR 23	0E ON MAR 1	25 800	1983
1984	23.8 AT 10 14 CST ON JUN 9	22.7 ON JUN 9	0E ON MAR 1	26 000	1984
1985	40.7 AT 21 48 CST ON APR 11	39.5 ON APR 11	0E ON MAR 1	34 500	1985
1986	40.7 AT 14 00 CST ON APR 8	40.2 ON APR 8	0E ON MAR 1	26 400	1986
				26 700	MEAN

E - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
0 - ESTIMATED R - REVISED SINCE JAN 1 1986

SMALL BROOK NEAR SHELLBROOK - STATION NO 05GF001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	2.56	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	4.63	2.19	---	---	---	---	0.287	---	---	---	1965
1966	---	---	0.012	3.51	1.35	1.58	0.498	0.077	0.008	0.008	---	---	0.880	1966
1967	---	---	0	9.687	1.53	0.448	0.057	0.088	0.001	0.004	---	---	0.325	1967
1968	---	---	0.478	2.36	1.04	0.931	0.284	0.218	0.830	0.713	---	---	0.828	1968
1969	---	---	0.001	5.65	1.88	0.356	0.104	0.182	0.014	0.494	---	---	1.05	1969
1970	---	---	0.035	5.18	1.79	0.568	1.27	0.182	0.008	0.031	---	---	1.13	1970
1971	---	---	0	3.67	0.830	0.386	1.02	0.256	0.070	0.068	---	---	0.832	1971
1972	---	---	0.026	4.11	2.32	0.119	0.078	0.019	0.051	0.070	---	---	0.831	1972
1973	---	---	0.231	2.80	3.08	2.57	3.48	0.745	0.987	1.07	---	---	1.84	1973
1974	---	---	0.483	9.07	10.4	5.78	5.00	0.899	0.827	0.884	---	---	4.18	1974
1975	---	---	0.083	3.86	5.84	4.82	1.70	0.328	0.195	0.058	---	---	2.20	1975
1976	---	---	0.268	2.21	0.882	0.161	0.202	0.146	0	0	---	---	0.453	1976
1977	---	---	0.037	0.895	1.62	1.19	0.371	0.063	0.054	0.082	---	---	0.530	1977
1978	---	---	0.088	3.10	1.55	0.716	0.187	0.022	0	0	---	---	0.898	1978
1979	---	---	0.130	6.21	5.89	2.77	0.824	0	0	0	---	---	1.82	1979
1980	---	---	0.242	3.83	0.777	0.120	0.513	0.458	0.467	0.497	---	---	0.745	1980
1981	---	---	0.048	3.63	1.33	0.288	0.028	0.196	0.001	0	---	---	0.672	1981
1982	---	---	0	1.10	0.785	0.365	0.388	0.285	0.034	0	---	---	0.362	1982
1983	---	---	0.362	4.84	2.19	0.040	0.082	0	0.037	0.208	---	---	0.949	1983
1984	---	---	0.035	2.79	1.80	3.45	0.894	0.138	0.047	0.188	---	---	1.14	1984
1985	---	---	0.328	15.3	13.5	4.25	0.812	0.188	0.211	0.335	---	---	4.38	1985
1986	---	---	0.388	8.13	1.80	0.277	0.197	0.124	0.031	0.078	---	---	0.872	1986
MEAN	---	---	0.189	3.89	2.88	1.48	0.846	0.219	0.175	0.229	---	---	1.28	MEAN

LOCATION - LAT 53 15 10 N DRAINAGE AREA 2 580 km^2
LONG 104 23 08 W NATURAL FLOW

SHELL BROOK NEAR SHELLBROOK - STATION NO. 05GF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 E ON APR 1 *	---	1964
1965	---	---	0 E ON APR 1	---	1965
1966	---	---	0 B ON MAR 1	18 200	1966
1967	3.17 AT 14:30 CST ON MAY 7	3.14 ON MAY 7	0 B ON MAR 1	6 870	1967
1968	5.30 AT 21:00 CST ON APR 11	5.10 ON APR 11	0.002 ON JUL 18	17 500	1968
1969	16.5 B AT 14:00 CST ON APR 11	12.8 B ON APR 11	0 B ON MAR 8	22 300	1969
1970	13.5 AT 07:00 CST ON APR 13	10.3 ON APR 13	0 ON SEP 21	23 800	1970
1971	6.68 AT 06:56 CST ON APR 17	6.43 ON APR 17	0 B ON MAR 1	13 400	1971
1972	25.6 AT 22:47 CST ON APR 21	18.8 ON APR 22	0 ON JUN 23	17 600	1972
1973	11.5 AT 17:15 CST ON JUL 3	9.71 ON JUL 3	0.1538 ON MAR 14	39 000	1973
1974	33.1 AT 19:13 CST ON APR 19	30.0 ON APR 19	0.4228 ON MAR 27	88 000	1974
1975	12.5 B AT 07:36 CST ON APR 21	11.5 B ON APR 21	0.025 ON OCT 31	45 500	1975
1976	---	5.78 ON APR 10	0 ON JUN 22	8 590	1976
1977	2.21 AT 03:10 CST ON MAY 28	2.17 ON MAY 28	0.0088 ON MAR 1	11 200	1977
1978	5.958 AT 10:57 CST ON APR 13	5.478 ON APR 13	0 ON AUG 30	14 800	1978
1979	22.6 B AT 22:00 CST ON APR 25	19.0 B ON APR 25	0 ON AUG 1	34 500	1979
1980	10.9 AT 18:20 CST ON APR 17	8.85 ON APR 17	0.006 ON JUN 5	15 500	1980
1981	4.808 AT 09:06 CST ON APR 16	4.558 ON APR 16	0 ON AUG 29	14 200	1981
1982	4.018 AT 05:57 CST ON APR 22	3.078 ON APR 22	0 B ON MAR 1	7 670	1982
1983	17.2 B AT 14:35 CST ON APR 21	15.9 B ON APR 21	0 ON JUL 30	30 000	1983
1984	4.84 AT 00:38 CST ON APR 13	4.78 ON APR 13	0 B ON MAR 1	24 100	1984
1985	38.5 AT 05:38 CST ON APR 21 *	37.0 ON APR 21 *	0.115 ON AUG 3	92 700	1985
1986	5.74 AT 12:48 CST ON APR 12	5.60 ON APR 10	0.002 ON SEP 9	18 500	1986
				25 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEPHERD BROS. EAST DITCH NEAR BATTLE CREEK - STATION NO. 11AB022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.007	0	0	0	0	0	---	---	0.001	1915
1916	---	---	0	0.003	0.001	0	0	0	0	0	---	---	0.001	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0.018	0.013	0	0	0	0	0	---	---	0.004	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0.011	0	0	0	0	0	0	---	---	0.001	1920
1921	---	---	0	0.022	0	0	0	0	0	0	---	---	0.003	1921
1922	---	---	0	0.030	0	0	0	0	0	0	---	---	0.004	1922
1923	---	---	0	0.020	0	0	0	0	0	0	---	---	0.002	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0.019	0	0	0	0	0	0	---	---	0.002	1925
1926	---	---	0.002	0.004	0	0	0	0	0	0	---	---	0.001	1926
1927	---	---	0	0.026	0.003	0	0	0	0	0	---	---	0.004	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
MEAN	---	---	0	0.003	0.001	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 25 50 N
LONG 109 41 50 W
REGULATED

SHEPHERD BROS. EAST DITCH NEAR BATTLE CREEK - STATION NO. 11AB022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.057 ON MAY 8	0 ON MAR 1 *	18.2	1915
1916	---	0.030 ON APR 19	0 ON MAR 1	11.2	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0.037 ON APR 15	0 ON MAR 1	81.7	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0.045 ON APR 20	0 ON MAR 1	29.3	1920
1921	---	0.118 ON APR 2 *	0 ON MAR 1	58.2	1921
1922	---	0.108E ON APR 12	0 ON MAR 1	76.5	1922
1923	---	0.085 ON APR 17	0 ON MAR 1	52.5	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0.082 ON APR 5	0 ON MAR 1	48.3	1925
1926	---	0.058 ON APR 10	0 ON MAR 1	16.8	1926
1927	---	0.105 ON APR 5	0 ON MAR 1	74.8	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
				27.4	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEPHERD DITCH NEAR CONSUL - STATION NO 11AB020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.024	0	0	0	0	0	---	---	0.003	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0.054	0.041	0	0	0	0	---	---	0.012	1921
1922	---	---	0	0.002	0.006	0.088	0.014	0	0	0	---	---	0.011	1922
1923	---	---	0	0.016	0	0	0	0	0	0.026	---	---	0.005	1923
1924	---	---	0	0	0	0.035	0.024	0	0	0.035	---	---	0.012	1924
1925	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1925
1926	---	---	0	0	0.020	0.012	0	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1973	---	---	---	---	---	0.057	0.001	0	0	0.002	0.001	---	---	1973
1974	---	---	---	0.121	0.022	0.021	0.066	0.030	0.007	0.018	---	---	---	1974
1975	---	---	---	---	0.102	0.084	0.057	0.005	0.004	0.003	---	---	---	1975
1976	---	---	---	0.072	0.205	0.011	0.003	0.003	0.006	0.003	---	---	---	1976
1977	---	---	---	0.123	0.087	0.003	0.002	0.003	0.003	0	---	---	---	1977
1978	---	---	0	0.124	0.116	0.002	0.004	0.002	0.001	0.002	---	---	0.031	1978
1979	---	---	0	0.004	0.082	0.036	0.001	0.001	0.002	0.001	---	---	0.013	1979
1980	---	---	0	0.065	0.175	0.003	0.004	0.015	0.002	0.003	---	---	0.033	1980
1981	---	---	0.104	0.104	0.002	0.084	0.002	0.002	0.002	0.002	---	---	0.037	1981
1982	---	---	0	0	0.238	0.029	0.002	0.002	0.002	0.001	---	---	0.035	1982
1983	---	---	0.001	0.238	0.045	0.058	0.002	0.001	0.001	0.003	---	---	0.044	1983
1984	---	---	0	0.188	0.043	0.001	0.001	0.002	0.003	0.002	---	---	0.030	1984
1985	---	---	0.002	0.310	0.038	0	0	0	0	0	---	---	0.043	1985
1986	---	---	0.137	0.147	0.098	0	0.001	0.001	0.057	0.001	---	---	0.055	1986
MEAN	---	---	0.008	0.048	0.041	0.015	0.005	0.002	0.003	0.003	---	---	0.013	MEAN

LOCATION - LAT 49 24 50 N
LONG 109 44 30 W REGULATED

SHEPHERD DITCH NEAR CONSUL - STATION NO 11AB020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.125 ON MAY 8	0 ON MAR 1 *	63.4	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	---	---	---	---
1921	---	0 ON MAR 1	0 ON MAR 1	0	1920
1922	---	0.122 ON MAY 11	0 ON MAR 1	249	1921
1923	---	0.255 ON JUN 15	0 ON MAR 1	238	1922
1924	---	0.142 ON APR 17	0 ON MAR 1	111	1923
	---	0.076 ON JUN 11	0 ON MAR 1	247	1924
1925	---	0.040 ON APR 8	0 ON MAR 1	25.6	1925
1926	---	0.089 ON MAY 25	0 ON MAR 1	83.8	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1934	---	0 ON MAR 1	0 ON MAR 1	0	1934
1973	---	---	---	---	---
1974	---	0.3438 ON APR 6	0 ON JUL 1	---	1973
			NE ON APR 1	---	1974
1975	---	1.31 A ON MAY 6 *	0E ON MAY 1	---	1975
1976	---	0.256 ON MAY 15	0 ON APR 22	---	1976
1977	---	0.504 ON APR 9	0E ON APR 1	---	1977
1978	---	0.823 ON APR 28	0B ON MAR 1	883	1978
1979	---	0.142E ON MAY 1	0B ON MAR 1	284	1979
1980	---	0.310 ON APR 27	0B ON MAR 1	708	1980
1981	---	0.490 ON JUN 15	0 ON MAR 1	769	1981
1982	0.5788 AT 21 00 CST ON MAY 30 *	0.474 ON MAY 20	0B ON MAR 1	733	1982
1983	---	0.384 ON APR 19	0B ON MAR 1	835	1983
1984	---	0.308 ON APR 18	0B ON MAR 1	827	1984
1985	---	0.584 ON APR 14	0B ON MAR 1	911	1985
1986	---	1.00 E ON SEP 25	0 ON JUN 4	1 170	1986
				270	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	0.002	0.002	2.46	3.05	0.097	0.049	0.011	0.097	0.001	0.001	0.002	0	0.565	1960
1961	0.002	0.003	0.260	0.015	0.010	0	0	0	0	0	0	0	0.025	1961
1962	0	0	0.463	0.065	0.045	0.492	0.003	0	0	0	0	0	0.089	1962
1963	0	0	0.181	0.187	0.375	0.811	0.308	0.383	0.046	0.008	0.001	0	0.193	1963
1964	0	0	0.005	1.33	0.055	0.218	0.016	0.003	0.003	0	0	0	0.135	1964
1965	0	0	0	0.739	0.652	0.250	0	0	0.022	0.024	0.005	0.001	0.142	1965
1966	0	0	0.488	0.134	0.092	0.053	0.051	0.001	0.002	0.003	0.002	0	0.069	1966
1967	0	0	0.655	0.388	0.198	0.004	0	0	0	0.001	0.001	0	0.106	1967
1968	0	0	0.186	0.084	0.037	0.005	0.001	0.044	0.023	0.043	0.010	0.008	0.035	1968
1969	0.006	0.003	0	7.25	0.173	0.008	0.315	0.082	0.035	0.002	0.005	0.001	0.647	1969
1970	0	0	0.200	1.27	3.89	0.577	0.541	0.055	0.001	0.014	0.040	0.001	0.554	1970
1971	0.001	0.004	0.158	0.885	0.038	0.020	0.328	0.002	0.001	0.280	0.083	0.011	0.134	1971
1972	0	0	4.21	1.76	0.510	0.251	0.022	1.06	0.252	0.058	0.011	0.005	0.686	1972
1973	0.001	0	0.253	0.113	0.029	0.064	0	0	0.111	0.037	0.008	0.004	0.052	1973
1974	0.001	0	0.730	7.86	4.18	0.532	0.016	0.001	0	0	0	0.001	1.11	1974
1975	0.001	0.001	0.003	6.35	4.77	2.84	0.226	0.001	0.488	0.310	0.170	0.040	1.27	1975
1976	0.008	0.024	8.07	8.24	0.584	0.177	0.007	0	0	0	0	0	1.43	1976
1977	0	0	0.003	0.035	0.008	0.001	0	0	0	0	0	0	0.004	1977
1978	0	0	0.953	0.430	0.320	0.789	0.926	0.009	0.048	0.026	0.006	0.003	0.395	1978
1979	0.002	0.001	0.005	6.82	2.96	0.192	0.006	0	0	0	0.001	0.002	0.953	1979
1980	0	0	0.159	0.293	0.003	0	0	0	0	0	0	0	0.038	1980
1981	0	0.594	0.103	0.005	0.001	0.001	0	0.002	0	0	0.001	0.001	0.055	1981
1982	0	0	0.155	5.33	0.217	0.017	0.060	0.012	0.001	0.032	0.056	0.001	0.485	1982
1983	0	0.782	1.03	2.66	0.179	0.033	0.113	0.012	0.002	0.002	0.002	0.002	0.358	1983
1984	0.002	0.021	0.184	0.084	0.152	0.003	0	0	0	0	0.001	0.001	0.036	1984
1985	0	0.001	1.05	0.181	0.018	0.005	0	0.104	0.018	0.044	0.014	0.001	0.124	1985
1986	0.001	0.044	0.518	0.076	0.189	0.056	1.15	0.555	0.005	0.013	0.004	0.002	0.232	1986
MEAN	0.001	0.056	0.870	2.13	0.733	0.278	0.152	0.089	0.038	0.034	0.018	0.003	0.366	MEAN

LOCATION - LAT 49 01 52 N LONG 102 50 57 W
DRAINAGE AREA 1 210 km²
REGULATED
INTERNATIONAL GAUGING STATION

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	38.5 AT 01 30 ON MAR 28	23.5 B ON MAR 27	0 B ON FEB 21 *	17 900	1960
1961	1.56 B AT 10 00 CST ON MAR 17	1.50 B ON MAR 17	0 B ON JAN 1	773	1961
1962	3.48 AT 10 00 ON MAR 26	2.89 ON MAR 26	0 ON JAN 1	2 820	1962
1963	4.90 AT 22 00 ON JUN 7	4.25 ON JUN 7	0 ON JAN 1	6 110	1963
1964	---	9.83 B ON APR 4	0 B ON JAN 1	4 250	1964
1965	3.37 AT 01 30 ON MAY 6	3.30 ON MAY 6	0 B ON JAN 1	4 480	1965
1966	---	2.47 B ON MAR 18	0 B ON JAN 1	2 180	1966
1967	---	3.11 B ON MAR 26	0 B ON JAN 1	3 340	1967
1968	0.7848 AT 16 10 CST ON MAR 25	0.6608 ON MAR 9	0 B ON JAN 1	1 120	1968
1969	48.1 AT 01 07 ON APR 9 *	39.9 ON APR 9 *	0 B ON MAR 1	20 400	1969
1970	13.0 AT 18 30 CST ON MAY 1	11.6 ON MAY 1	0 B ON JAN 1	17 500	1970
1971	2.02 AT 00 06 CST ON JUL 14	1.69 ON JUL 14	0 ON MAY 28	4 230	1971
1972	15.6 AT 05 43 CST ON MAR 17	14.6 ON MAR 17	0 B ON JAN 1	21 700	1972
1973	1.19 B AT 13 16 CST ON MAR 13	0.8488 ON MAR 14	0 B ON JAN 25	1 830	1973
1974	23.0 B AT 05 41 CST ON APR 11	21.5 B ON APR 11	0 B ON JAN 19	35 000	1974
1975	25.8 AT 05 24 CST ON APR 30	25.0 ON APR 30	0.0018 ON JAN 1	40 000	1975
1976	36.8 B AT 21 14 CST ON MAR 28	36.8 B ON MAR 28	0 ON JUL 31	45 000	1976
1977	---	0.0782 ON APR 12	0 B ON JAN 1	126	1977
1978	7.93 B AT 01 09 CST ON MAR 23	3.91 B ON MAR 23	0 B ON JAN 1	9 300	1978
1979	45.0 B AT 05 35 CST ON APR 19	38.8 B ON APR 19	0 B ON FEB 17	31 400	1979
1980	---	1.02 B ON MAR 30	0 B ON JAN 3	1 180	1980
1981	2.48 B AT 10 00 CST ON FEB 21	1.84 B ON FEB 22	0 B ON JAN 1	1 740	1981
1982	36.8 B AT 02 58 CST ON APR 14	32.1 B ON APR 14	0 B ON JAN 1	15 300	1982
1983	14.1 B AT 20 06 CST ON MAR 31	11.8 B ON MAR 31	0 B ON JAN 1	12 600	1983
1984	1.11 B AT 13 14 CST ON MAR 25	0.715 ON MAY 4	0 B ON JAN 8	1 130	1984
1985	4.84 B AT 15 39 CST ON MAR 14	3.72 B ON MAR 15	0 B ON JAN 1	3 920	1985
1986	6.88 AT 03 37 CST ON JUL 28	6.06 ON JUL 28	0 B ON FEB 18	7 010	1986
				11 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	0.838	1.70	0.141	0.007	0.002	0	0	0	---	---	---	1956
1957	---	---	0.466	0.138	0.006	0	0	0	0	0	---	---	---	1957
1958	---	---	0.281	0.263	0	0	0	0	0	0	---	---	---	1958
1959	---	---	2.36	0.089	0.004	0.002	0	0.027	0.042	0.489	0.084	0.005	---	1959
1960	0.003	0.002	---	---	---	---	---	---	---	---	---	---	---	1960
MEAN	0.003	0.002	0.891	0.545	0.038	0.002	0.001	0.007	0.011	0.119	0.084	0.005	---	MEAN

LOCATION - LAT 49 03 45 N LONG 102 48 05 W
DRAINAGE AREA 1 230 km²
NATURAL FLOW

SHORT CREEK NEAR ROCHE PERCEE - STATION NO 05NB008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	3.68 B ON MAR 22	0E ON MAR 1 *	---	1956
1957	---	2.12 ON MAR 26	0 ON MAR 1	---	1957
1958	---	2.52 ON MAR 31	0E ON MAR 1	---	1958
1959	---	11.8 ON MAR 19 *	0E ON MAR 1	---	1959
1960	---	0.0038 ON JAN 1	0E ON FEB 21	---	1960
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SHUARD CREEK AT JOHNSON'S RANCH - STATION NO 05HA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.057	0.079	---	---	---	1909
1910	---	---	---	0.172	0.111	0.053	0.019	0.022	0.089	0.083	---	---	---	1910
1911	---	---	---	0.382	0.230	0.082	0.055	0.041	0.050	---	---	---	---	1911
1912	---	---	---	---	0.398	0.175	0.059	0.035	0.041	0.070	---	---	---	1912
1913	---	---	---	---	0.177	0.055	0.028	0.011	0.022	0.086	---	---	---	1913
1914	---	---	---	0.497	0.122	0.076	0.011	0.002	0.012	0.134	---	---	---	1914
MEAN	---	---	---	0.344	0.208	0.088	0.034	0.022	0.042	0.086	---	---	---	MEAN

LOCATION - LAT 49 49 50 N LONG 108 03 40 W
DRAINAGE AREA 83.5 km^2
NATURAL FLOW

SHUARD CREEK AT JOHNSON'S RANCH - STATION NO 05HA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0E ON JUL 20 *	---	1913
1914	---	---	0 ON JUL 14	---	1914
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SINCLAIR SOUTH DITCH NEAR LEITCHVILLE - STATION NO 05MD020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	0.001	0.001	0	0	---	---	---	---	---	---	1920
MEAN	---	---	---	0.001	0.001	0	0	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 49 15 N LONG 108 33 52 W
REGULATED

SKULL CREEK AT DOYLE'S RANCH - STATION NO 05HA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.151	0.065	0.054	0.034	0.051	0.068	---	---	---	1911
1912	---	---	---	---	0.288	0.148	0.040	0.049	0.048	0.085	---	---	---	1912
1913	---	---	---	0.851	0.099	0.069	0.039	0.034	0.037	0.053	---	---	---	1913
1914	---	---	---	0.454	0.131	0.028	0.004	0.005	0.043	0.133	---	---	---	1914
1915	---	---	---	0.493	0.144	0.176	0.139	0.044	0.045	0.075	---	---	---	1915
1916	---	---	1.03	0.210	0.196	0.220	0.079	0.057	0.081	0.112	---	---	---	1916
1917	---	---	---	---	1.22	0.112	0.024	0.014	0.053	0.082	---	---	0.247	1917
1918	---	---	---	0.300	0.100	0.057	0.017	0.015	0.019	0.035	---	---	---	1918
1919	---	---	0.082	0.333	0.080	0.019	0.004	0	0.018	0.094	---	---	---	1919
1920	---	---	0.550	0.819	0.260	0.187	0.056	0.001	0.004	0.031	---	---	0.078	1920
1921	---	---	0.331	1.02	0.195	0.044	0.020	0.009	0.045	0.032	---	---	0.235	1921
1922	---	---	0.172	2.22	0.318	0.048	0.024	0.004	0.011	0.026	---	---	0.211	1922
MEAN	---	---	0.433	0.746	0.265	0.086	0.042	0.022	0.040	0.071	---	---	0.348	MEAN
													0.224	

LOCATION - LAT 49 51 24 N LONG 108 55 37 W
DRAINAGE AREA 82.1 km^2
NATURAL FLOW

SKULL CREEK AT DOYLE'S RANCH - STATION NO 05HA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 20 *	---	1914
1915	---	---	---	---	1915
1916	---	4.53 ON MAR 11	0.040 ON JUL 23	5 230	1916
1917	---	---	---	---	1917
1918	---	---	0 ON AUG 1	---	1918
1919	---	1.278 ON APR 1	0 ON JUN 25	1 850	1919
1920	---	3.588 ON APR 13	0 ON AUG 22	4 970	1920
1921	---	8.388 ON APR 2	0 ON JUL 10	4 460	1921
1922	---	13.8 ON APR 20 *	0.001 ON JUL 22	7 380	1922
				4 730	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SKULL CREEK NEAR PIAPOT - STATION NO 05HA075

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	0.857	0.093	0.052	0.074	0.058	0	0	0	---	---	0.142	1983
1984	---	---	0.005	0.390	0.201	0.083	0	0	0	0	---	---	0.080	1984
1985	---	---	0.027	1.67	0.222	0.162	0.134	0	0.026	0.035	---	---	0.280	1985
1986	---	---	1.01	0.322	0.174	0.183	0.021	0	0	0	---	---	0.213	1986
1987	---	---	0.404	0.810	1.22	0.115	0	0	0	0	---	---	0.319	1987
1988	---	---	0.339	0.115	0.111	0.053	0.004	0	0	0	---	---	0.078	1988
1989	---	---	0.436	1.32	0.151	0.020	0.014	0	0	0	---	---	0.240	1989
1970	---	---	0.076	1.34	0.448	0.094	0.004	0	0	0	---	---	0.243	1970
1971	---	0.020	0.059	0.838	0.084	0.009	0.002	0	0	0	---	---	0.120	1971
1972	---	---	0.467	0.116	0.140	0.030	0	0	0	0	---	---	0.095	1972
1973	---	---	0.244	0.172	0.085	0.310	---	---	---	---	---	---	---	1973
MEAN	---	0.020	0.357	0.653	0.261	0.099	0.024	0	0.003	0.004	---	---	0.181	MEAN

LOCATION - LAT 49 53 30 N DRAINAGE AREA, 127 km^2
LONG 108 55 25 W NATURAL FLOW

SKULL CREEK NEAR PIAPOT - STATION NO 05HA075

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	7.02 AT 09 30 MST ON MAR 23	5.55 ON MAR 23	0 ON JUL 21 *	3 010	1983
1984	5.18 AT 11 00 MST ON APR 11	3.37 ON APR 2	0B ON MAR 1	1 700	1984
1985	---	5.32 B ON APR 15	0B ON MAR 26	5 830	1985
1986	---	3.06 B ON MAR 28	0 ON JUL 20	4 500	1986
1987	25.5 AT 07 00 MST ON MAY 8 *	13.5 ON MAY 8 *	0 ON JUL 1	6 750	1987
1988	---	0.9818 ON MAR 7	0 ON JUL 7	1 850	1988
1989	---	8.14 ON APR 8	0B ON MAR 1	5 080	1989
1970	---	5.10 B ON APR 10	0B ON MAR 1	5 150	1970
1971	---	3.28 B ON APR 10	0B ON MAR 1	2 530	1971
1972	---	2.80 B ON MAR 17	0B ON MAR 1	2 010	1972
1973	---	4.88 ON JUN 15	0 ON JUN 12	---	1973
				3 830	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SKULL CREEK NEAR SKULL CREEK - STATION NO 05HA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.009	0.003	0.004	0.083	---	---	---	1908
1909	---	---	---	---	1.13	1.53	0.337	0.081	0.058	0.140	---	---	---	1909
1910	---	---	---	0.123	0.087	0.034	0.004	0.008	0.045	0.088	---	---	0.052	1910
1911	---	---	---	0.437	0.077	0.038	0.036	0.023	0.085	0.055	---	---	0.104	1911
1912	---	---	---	1.15	0.217	0.119	0.050	0.031	0.045	0.048	---	---	0.235	1912
1913	---	---	---	0.810	0.075	0.038	0.028	0.004	0.023	0.043	---	---	0.144	1913
1914	---	---	---	0.383	0.055	0.033	0.002	0	0.021	0.114	---	---	0.084	1914
MEAN	---	---	---	0.583	0.274	0.288	0.087	0.019	0.037	0.076	---	---	0.124	MEAN

LOCATION - LAT 49 54 05 N DRAINAGE AREA, 102 km^2
LONG 108 55 55 W NATURAL FLOW

SKULL CREEK NEAR SKULL CREEK - STATION NO 05MA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	0 ON JUL 11 *	---	1908
1909	---	---	---	---	1909
1910	---	0.181 ON MAY 15	0 ON JUN 29	971	1910
1911	---	2.10 ON APR 10	0.005 ON SEP 1	1 910	1911
1912	---	2.84 ON APR 9 *	0.009 ON AUG 10	4 350	1912
1913	---	2.07 ON APR 8	0 ON JUL 31	2 880	1913
1914	---	1.30 B ON APR 1	0 ON JUL 4	1 580	1914
				2 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMALL DITCH NEAR CYPRESS - STATION NO 05MA026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.045	0.081	0.031	0.017	---	---	---	---	---	---	1915
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
MEAN	---	---	0	0.045	0.081	0.031	0.017	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 44 58 N
LONG 109 34 29 W REGULATED

SMALL DITCH NEAR CYPRESS - STATION NO 05MA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON MAR 1 *	---	1915
1918	---	---	0R ON AUG 5	---	1918
1919	---	---	0R ON MAY 23	---	1919
1920	---	---	0R ON AUG 25	---	1920
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

SMITH CREEK NEAR MARCHWELL - STATION NO 05ME007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.573	0.312	0.020	0	0	0.004	0.013	---	---	0.114	1975
1976	---	---	0	2.42	0.234	0.043	0.002	0	0	0	---	---	0.331	1976
1977	---	---	0.010	0.017	0.017	0	0.023	0.014	0.002	0.002	---	---	0.011	1977
1978	---	---	0.047	0.346	0.028	0	0	0.005	0.001	0.002	---	---	0.053	1978
1979	---	---	0	1.89	1.46	0.040	0	0	0	0	---	---	0.421	1979
1980	---	---	0	0.375	0.002	0	0	0	0	0	---	---	0.048	1980
1981	---	0.032	0.023	0.001	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0.013	0.081	0.018	0	0	0	0	0	---	---	0.014	1982
1983	---	---	0	0.787	0.241	0.008	0.004	0	0	0	---	---	0.126	1983
1984	---	---	0.084	0.041	0.003	0	0	0	0	0	---	---	0.017	1984
1985	---	---	0.001	2.41	0.129	0.001	0	0	0.002	0.003	---	---	0.312	1985
1986	---	---	0.519	1.32	0.043	0.002	0.002	0.015	0	0.001	---	---	0.235	1986
MEAN	---	0.032	0.059	0.853	0.207	0.010	0.003	0.003	0.001	0.002	---	---	0.140	MEAN

LOCATION - LAT 50 49 58 N DRAINAGE AREA, 436 km^2
LONG 101 34 43 W NATURAL FLOW

SMITH CREEK NEAR MARCHWELL - STATION NO 05ME007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	3.08 AT 04:21 CST ON APR 18	2.89 ON APR 18	0R ON MAR 1 *	3 430	1975
1976	7.05 AT 09:31 CST ON APR 9	5.51 ON APR 9	0R ON MAR 1	7 000	1976
1977	---	0.116 ON JUL 15	0R ON MAR 1	224	1977
1978	1.30 B AT 08:25 CST ON APR 1	0.7738 ON APR 1	0R ON MAR 1	1 120	1978
1979	7.24 AT 08:13 CST ON APR 22 *	5.53 ON APR 22 *	0R ON MAR 1	8 910	1979
1980	2.72 B AT 21:49 CST ON APR 5	1.56 B ON APR 6	0R ON MAR 1	978	1980
1981	---	0.0808 ON MAR 1	0A ON APR 8	83 B	1981
1982	0.7028 AT 14:40 CST ON APR 13	0.4708 ON APR 14	0R ON MAR 1	392	1982
1983	4.60 AT 02:24 CST ON APR 21	4.05 ON APR 21	0R ON MAR 1	2 670	1983
1984	0.711 AT 02:30 CST ON MAR 27	0.523 ON MAR 27	0R ON MAR 1	385	1984
1985	5.22 AT 21:46 CST ON APR 14	4.72 ON APR 15	0R ON MAR 1	5 610	1985
1986	5.26 AT 03:05 CST ON MAR 31	5.03 ON MAR 31	0R ON MAR 1	4 980	1986
				2 870	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMITH TRIBUTARY NEAR FISKE - STATION NO. 05HF018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	0.020	0.001	0.001	0	0	0	0	---	---	0.003	1970
1971	---	---	0	0.018	0	0	0.002R	0	0	0	---	---	0.002R	1971
1972	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0.015	0.003	0.003	0.001	0	0	0	---	---	0.003	1974
1975	---	---	0	0.013	0.001	0	0	0	0	0	---	---	0.002	1975
1976	---	---	0.004	0.003	0	0	0	0	0	0	---	---	0.001	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.001	0.002	0.001	0	0	0	0	0	---	---	0	1978
1979	---	---	0.002	0.003	0	0	0	0	0	0	---	---	0.001	1979
MEAN	---	---	0.001	0.007	0.001	0	0 R	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 51 25 07 N
LONG 108 27 57 W
DRAINAGE AREA, 0.78 km²
NATURAL FLOW

R - REVISED SINCE JAN 1986

SMITH TRIBUTARY NEAR FISKE - STATION NO. 05HF018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	0.481RB AT 17:50 CST ON APR 6	0.108B ON APR 6	0B ON MAR 1 *	57.0	1970
1971	1.08 R AT 01:30 CST ON JUL 24 *	0.147A ON APR 8 *	0B ON MAR 1	47.3 R	1971
1972	0.037B AT 08:53 CST ON MAR 18	0.008B ON MAR 19	0B ON MAR 1	4.84	1972
1973	0.018 AT 18:16 CST ON MAR 20	0.008 ON MAR 17	0 ON MAR 1	4.58	1973
1974	0.354 AT 10:15 CST ON JUN 26	0.054 ON APR 18	0B ON MAR 1	56.1	1974
1975	0.147A AT 17:53 CST ON APR 19	0.059A ON APR 19	0B ON MAR 1	35.6	1975
1976	0.150 AT 17:59 CST ON MAR 31	0.088 ON MAR 31	0B ON MAR 1	19.0	1976
1977	0.013 AT 22:04 CST ON MAY 15	0.002 ON MAY 19	0 ON MAR 1	0.52	1977
1978	0.028 AT 20:26 CST ON MAY 24	0.012 ON MAR 30	0B ON MAR 1	10.2	1978
1979	0.144 AT 21:48 CST ON APR 18	0.030 ON APR 18	0B ON MAR 1	14.3	1979
				24.9 R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

SMOOTHSTONE RIVER BELOW EMMELINE LAKE - STATION NO. 06CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	9.14	14.9	15.9	10.1	4.76	---	1978
1979	4.81	4.08	4.00	8.87	38.5	30.8	18.0	11.2	12.9	12.5	10.1	6.17	13.6	1979
1980	5.01	4.57	4.04	6.70	5.51	3.66	5.62	11.4	41.6	39.5	16.9	8.04	12.7	1980
1981	6.32	5.77	4.89	10.8	33.2	17.5	11.5	6.87	4.41	3.75	3.61	3.03	9.34	1981
1982	2.03	1.83	1.73	4.06	15.2	15.6	9.35	15.6	10.8	8.81	7.78	5.84	8.27	1982
1983	5.25	4.27	3.87	5.70	15.4	25.4	30.2	12.8	8.83	8.58	7.34	5.18	11.2	1983
1984	3.63	3.01	2.80	8.63	21.6	27.9	12.2	8.23	7.56	6.76	6.40	4.52	9.46	1984
1985	2.86	2.62	2.55	19.1	56.7	41.1	26.8	10.5	8.64	7.90	6.14	4.41	15.8	1985
1986	4.00	3.42	3.85	5.42	23.5	25.4	24.4	26.8	10.0	7.92	5.97	5.45	12.3	1986
MEAN	4.22	3.70	3.50	8.81	26.3	23.4	17.3	12.5	13.3	12.4	8.26	5.27	11.6	MEAN

LOCATION - LAT 55 09 48 N
LONG 106 12 25 W
DRAINAGE AREA, 6 020 km²
REGULATED

SMOOTHSTONE RIVER BELOW EMMELINE LAKE - STATION NO. 06CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	---	---	1978
1979	51.4 AT 03:29 CST ON MAY 29	51.1 ON MAY 26	3.57B ON MAR 25	429 000	1979
1980	52.7 AT 14:53 CST ON SEP 26	52.5 ON SEP 26	3.12 ON JUN 18	402 000	1980
1981	42.0 AT 21:31 CST ON MAY 8	42.0 ON MAY 9	2.58B ON DEC 31	294 000	1981
1982	19.4 AT 17:34 CST ON AUG 15	19.2 ON AUG 15	1.59B ON FEB 17 *	261 000	1982
1983	41.1 AT 23:46 CST ON JUL 6	41.0 ON JUL 6	3.12A ON APR 6	354 000	1983
1984	42.7 AT 05:14 CST ON MAY 28	42.6 ON MAY 28	2.54B ON FEB 6	299 000	1984
1985	78.0 AT 04:52 CST ON MAY 9 *	76.8 ON MAY 9 *	2.15B ON MAR 21	500 000	1985
1986	43.0 AT 22:49 CST ON AUG 25	42.4 ON AUG 5	2.80B ON FEB 21	387 000	1986
				386 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKEBITE CREEK NEAR BEECHY - STATION NO 05HE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.020	3.59	0.082	0.181	0.018	0	0	0	---	---	0.477	1970
1971	---	---	0.019	2.11	0.011	0.049	0.029	0	0	0	---	---	0.272	1971
1972	---	---	0.084	0.013	0.008	0.001	0	0	0	0	---	---	0.013	1972
1973	---	---	0.088	0.016	0.015	0	0	0	0	0	---	---	0.015	1973
1974	---	---	0	1.81	0.395	0.020	0.004	0.002	0	0.002	---	---	0.275	1974
1975	---	---	0.028	3.20	0.127	0.020	0	0	0	0	---	---	0.413	1975
1976	---	---	1.83	1.31	0.025	0.248	0.034	0.004	0	0	---	---	0.443	1976
1977	---	---	0.003	0.015	0.004	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.310	0.162	0.234	0.008	0	0	0	0	---	---	0.080	1978
1979	---	---	0.089	0.327	0.017	0.004	0	0	0	0	---	---	0.054	1979
1980	---	---	0.281	0.045	0	0	0	0	0	0	---	---	0.041	1980
1981	---	0.344	0.021	0	0	0.011	0.003	0	0	0	---	---	0.004	1981
1982	---	---	0.001	3.16	0.154	0.111	0.002	0	0	0	---	---	0.421	1982
1983	---	0.002	0.618	0.144	0.020	0.001	0.150	0.002	0	0	---	---	0.118	1983
1984	---	---	0.224	0.013	0.002	0	0	0	0	0	---	---	0.030	1984
1985	---	---	1.42	0.187	0	0	0	0	0	0	---	---	0.202	1985
1986	---	0.015	0.129	0	0	0	0	0	0	0	---	---	0.016	1986
MEAN	---	0.120	0.310	0.947	0.064	0.038	0.014	0	0	0	---	---	0.170	MEAN

LOCATION - LAT 50 48 06 N DRAINAGE AREA, 881 km²
LONG 107 16 31 W NATURAL FLOW

SNAKEBITE CREEK NEAR BEECHY - STATION NO 05HE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	22.5 AT 03:26 CST ON APR 9	18.9 ON APR 9 *	0.0 ON MAR 1 *	10 100	1970
1971	13.5 AT 02:07 CST ON APR 7	9.12 ON APR 8	0.0 ON MAR 1	5 750	1971
1972	1.15 B AT 07:40 CST ON MAR 22	0.6438 ON MAR 21	0.0 ON MAR 1	283	1972
1973	1.60 B AT 05:35 CST ON MAR 12	0.6378 ON MAR 12	0.0 ON MAR 1	320	1973
1974	18.7 B AT 21:45 CST ON APR 18	12.3 B ON APR 19	0.0 ON MAR 1	5 820	1974
1975	15.3 B AT 02:27 CST ON APR 18	12.0 B ON APR 18	0.0 ON MAR 1	6 750	1975
1976	16.8 AT 00:34 CST ON APR 1	13.5 B ON MAR 31	0.0 ON MAR 1	9 380	1976
1977	0.0548 AT 23:02 CST ON APR 6	0.0428 ON APR 7	0.0 ON MAR 1	57.6	1977
1978	11.3 AT 08:51 CST ON MAY 25	5.01 ON MAY 25	0.0 ON MAR 1	1 900	1978
1979	1.98 AT 16:15 CST ON APR 18	1.65 ON APR 18	0.0 ON MAR 1	1 140	1979
1980	4.95 AT 08:04 CST ON MAR 29	3.39 ON MAR 29	0.0 ON MAR 1	870	1980
1981	---	0.195 ON JUN 14	0.0 ON MAR 23	92.1	1981
1982	23.6 AT 23:49 CST ON APR 16 *	17.1 ON APR 17	0.0 ON MAR 1	6 900	1982
1983	10.9 AT 06:34 CST ON MAR 31	7.53 B ON MAR 30	0 ON JUN 10	2 500	1983
1984	1.97 B AT 07:28 CST ON MAR 21	1.31 B ON MAR 21	0.0 ON MAR 1	638	1984
1985	10.6 B AT 02:16 CST ON MAR 20	7.56 B ON MAR 20	0 ON MAY 3	4 280	1985
1986	1.16 B AT 10:00 CST ON MAR 3	0.8988 ON MAR 2	0.0 ON MAR 25	345	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 600	MEAN

SNIPE LAKE NORTH INFLOW - STATION NO 05HC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0.120	0.011	0	0	0	0	0	0	---	---	0.017	1960
1961	---	---	0.017	0	0	0	0	0	0	0	---	---	0.002	1961
1962	---	---	0.002	0.117	0	0	0	0	0	0	---	---	0.015	1962
1963	---	---	0.041	0.001	0	0.001	0.016	0	0	0	---	---	0.007	1963
1964	---	---	0.029	0.046	0	0	0	0	0	0	---	---	0.008	1964
1965	---	---	0	0.774	0.018	0.002	0	0	0	0	---	---	0.097	1965
1966	---	---	0.230	0.038	0.002	0.035	0.002	0	0	0	---	---	0.039	1966
1967	---	---	0	0.135	0.136	0.001	0	0	0	0	---	---	0.034	1967
1968	---	---	0.038	0	0	0	0	0	0.005	0	---	---	0.005	1968
1969	---	---	0	0.814	0	0	0	0	0	0	---	---	0.100	1969
1970	---	---	0	0.588	0.002	0.047	0.093	0.005	0	0	---	---	0.091	1970
1971	---	---	0	0.527	0.008	0	0	0	0	0	---	---	0.066	1971
1972	---	---	0.069	0.075	0.002	0	0	0	0	0	---	---	0.018	1972
1973	---	---	0.111	0.025	0.003	0	0	0	0	0	---	---	0.017	1973
1974	---	---	0	0.553	0.188	0.009	0.005	0	0	0	---	---	0.091	1974
1975	---	---	0	0.345	0.045	0.006	0	0	0	0	---	---	0.049	1975
1976	---	---	0	0.178	0.005	0	0.001	0	0	0	---	---	0.022	1976
1977	---	---	0	0	0.003	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.044	0.003	0	0.002	0	0	0	---	---	0.006	1978
1979	---	---	0.040	0.040	0.005	0	0.021	0	0	0	---	---	0.013	1979
1980	---	---	0.067	0.019	0	0	0	0	0	0	---	---	0.011	1980
1981	---	0.004	0.028	0.002	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	0.182	0.012	0.002	0	0	0	0	---	---	0.024	1982
1983	---	---	0.136	0.067	0.005	0	0.039	0	0	0	---	---	0.031	1983
1984	---	---	0.033	0.012	0	0.002	0	0	0	0	---	---	0.006	1984
1985	---	---	0.021	0.486	0.007	0	0	0	0	0	---	---	0.063	1985
1986	---	---	0.134	0.017	0.005	0	0	0	0	0	---	---	0.020	1986
MEAN	---	0.004	0.041	0.189	0.016	0.004	0.007	0	0	0	---	---	0.032	MEAN

LOCATION - LAT 51 21 18 N DRAINAGE AREA, 44.0 km²
LONG 108 51 46 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1986

SNIPE LAKE NORTH INFLOW - STATION NO. 05HC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	0.793B ON MAR 20	0B ON MAR 1 *	350	1960
1961	0.263B AT 01:00 ON MAR 23	0.198B ON MAR 23	0B ON MAR 1	45.4	1961
1962	---	0.518B ON APR 6	0B ON MAR 1	308	1962
1963	3.06 AT 22:45 ON JUL 10	0.445 ON MAR 23	0B ON MAR 1	159	1963
1964	---	0.895A ON MAR 31	0B ON MAR 1	197	1964
1965	---	5.13 B ON APR 12 *	0B ON MAR 1	2 070	1965
1966	2.89 AT 01:00 ON MAR 28	1.73 ON MAR 28	0B ON MAR 1	816	1966
1967	2.12 AT 01:15 ON APR 27	1.30 ON APR 27	0 ON MAR 1	717	1967
1968	---	0.238 ON MAR 4	0B ON MAR 12	116	1968
1969	6.85 AT 24:00 CST ON APR 10	4.53 ON APR 11	0B ON MAR 1	2 110	1969
1970	8.50 AT 22:31 CST ON APR 6 *	3.96 ON APR 7	0B ON MAR 1	1 810	1970
1971	3.43 B AT 03:00 CST ON APR 10	2.55 B ON APR 10	0B ON MAR 1	1 390	1971
1972	1.47 B AT 18:31 CST ON MAR 22	0.736B ON MAR 23	0B ON MAR 1	388	1972
1973	0.711B AT 22:42 CST ON MAR 22	0.453B ON MAR 17	0B ON MAR 1	370	1973
1974	3.99 B AT 14:35 CST ON APR 18	2.70 B ON APR 19	0B ON MAR 1	1 920	1974
1975	2.89 AT 00:06 CST ON APR 22	1.74 ON APR 22	0B ON MAR 1	1 030	1975
1976	1.88 AT 21:28 CST ON APR 6	1.28 ON APR 7	0B ON MAR 1	474	1976
1977	0.042 AT 03:04 CST ON MAY 20	0.022 ON MAY 20	0 ON MAR 1	7.43	1977
1978	0.447 AT 19:37 CST ON APR 23	0.252 ON APR 23	0B ON MAR 1	128	1978
1979	2.15 AT 21:33 CST ON JUL 4	0.305 ON JUL 5	0B ON MAR 1	277	1979
1980	0.973B AT 08:52 CST ON MAR 29	0.627B ON MAR 29	0B ON MAR 1	229	1980
1981	0.230 AT 01:20 CST ON MAR 12	0.118R ON MAR 5	0 ON APR 17	72.8	1981
1982	1.69 B AT 18:30 CST ON APR 14	1.23 B ON APR 14	0B ON MAR 1	509	1982
1983	1.06 B AT 23:03 CST ON MAR 29	0.821B ON MAR 30	0B ON MAR 1	857	1983
1984	0.463B AT 07:36 CST ON MAR 24	0.317B ON MAR 24	0B ON MAR 1	124	1984
1985	4.55 AT 22:50 CST ON APR 2	2.73 ON APR 3	0B ON MAR 1	1 340	1985
1986	1.06 B AT 01:02 CST ON MAR 22	0.574B ON MAR 22	0 ON MAY 30	416	1986
				672	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

SOURIS RIVER AT WEYBURN - STATION NO. 05NB028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	1.98	0.398	0.080	0.041	0.023	0.010	0	0	---	1916
1917	0	0	0	2.17	1.10	0.456	0.044	0	0	0	0	0	0.314	1917
1918	0	0	0.001	0.001	0	0.003	0	0	0	0	0	0	0	1918
1919	0	0	0	0.026	0	0	0	0	0	---	---	---	---	1919
MEAN	0	0	0	0.732	0.770	0.214	0.026	0.010	0.006	0.003	0	0	0.157	MEAN

LOCATION - LAT 49 39 25 N LONG 103 51 35 W
DRAINAGE AREA, 2 240 km^2
REGULATED

SOURIS RIVER AT WEYBURN - STATION NO. 05NB028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	5.61 ON APR 12 *	0 ON JAN 1 *	9 900	1917
1918	---	0.009 ON JUN 29	0 ON JAN 1	13.0	1918
1919	---	0.374 ON APR 18	0 ON JAN 1	---	1919
				4 960	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR BECHARD - STATION NO 05NB031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	0.490	---	---	---	---	---	---	---	---	---	1965
1966	---	---	1.17	0.385	0	---	---	---	---	---	---	---	---	1966
1967	---	---	---	2.13	0.413	---	---	---	---	---	---	---	---	1967
1968	---	---	0.083	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	9.86	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.51	2.90	0.976	---	---	---	---	---	---	---	1970
1971	---	---	---	5.48	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	1.47	---	---	---	---	---	---	---	---	---	1972
1974	---	---	---	---	3.88	---	---	---	---	---	---	---	---	1974
1975	---	---	0	12.9	10.1	0.586	0.035	0	0	0	---	---	2.92	1975
1976	---	---	0	22.3	1.23	4.74	0.587	0.533	0.082	0.016	---	---	3.62	1976
1977	---	---	0	0.004	0.004	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.148	0.742	0.049	0.001	0.041	0.086	0.076	0.011	---	---	0.140	1978
1979	---	---	0	5.31	3.92	0.347	0.376	0	0	0	---	---	1.24	1979
1980	---	---	0.048	0.937	0.001	0	0	0	0	0	---	---	0.121	1980
1981	---	---	0.007	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	8.98	2.13	0.178	0.159	0.098	0	0	---	---	1.42	1982
1983	---	---	0	8.13	1.30	1.21	0.764	0.142	0	0	---	---	1.18	1983
1984	---	---	0.057	0.196	0	0.083	0	1.18	0.010	0.004	---	---	0.162	1984
1985	---	---	2.11	1.48	0.032	0	0	0	0	0	---	---	0.453	1985
1986	---	---	0.821	0.072	1.27	0	0	0	0	0	---	---	0.249	1986
MEAN	---	---	0.302	4.27	1.70	0.823	0.184	0.188	0.014	0.003	---	---	0.951	MEAN

LOCATION - LAT 49 59 20 N DRAINAGE AREA, 1 070 km²
LONG 104 11 24 W REGULATED

REMARKS - DATA PRIOR TO 1981 PUBLISHED UNDER THE NAME "SOURIS RIVER BELOW LEWVAN"

SOURIS RIVER NEAR BECHARD - STATION NO 05NB031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	75.0 AT 20 50 CST ON APR 29	64.6 ON APR 29	0.0 ON MAR 1 *	61 900	1975
1976	---	94.6 ON APR 8 *	0.0 ON MAR 1	78 500	1976
1977	---	0.085 ON MAY 19	0.0 ON MAR 1	19.0	1977
1978	---	3.57 B ON MAR 31	0.0 ON MAR 1	2 870	1978
1979	35.6 B AT 23 00 CST ON APR 22	31.3 B ON APR 23	0.0 ON MAR 1	28 200	1979
1980	5.32 AT 07 26 CST ON APR 2	4.56 B ON APR 1	0.0 ON MAR 1	2 880	1980
1981	0.085 AT 15 42 CST ON MAR 17	0.041 ON MAR 17	0 ON MAR 1	21.8	1981
1982	84.6 B AT 02 03 CST ON APR 18 *	75.9 B ON APR 18	0.0 ON MAR 1	30 200	1982
1983	47.6 AT 02 38 CST ON APR 20	42.6 ON APR 20	0.0 ON MAR 1	25 000	1983
1984	8.34 AT 20 44 CST ON AUG 2	7.03 ON AUG 3	0.0 ON MAR 1	3 850	1984
1985	16.3 B AT 02 00 CST ON MAR 20	13.2 B ON MAR 20	0.0 ON MAR 1	9 590	1985
1986	7.50 AT 16 53 CST ON MAY 10	7.23 ON MAY 10	0.0 ON MAR 1	5 280	1986
				20 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR ESTEVAN - STATION NO. 05NB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.124	0.042	0.054	1.15	---	---	---	1911
1912	---	---	---	---	9.35	1.09	0.374	0.146	0.085	0.189	0.125	0.084	---	1912
1913	0.005	0.059	1.10	5.86	0.490	0.351	0.805	0.130	0.019	0.030	0.083	0.027	0.708	1913
1914	0.008	0.014	2.42	5.87	1.84	4.41	0.407	0.063	0.024	0.038	0.032	0.026	1.28	1914
1915	0.029	0.052	0.053	0.085	0.055	0.028	0.024	0.008	0.001	0.001	0.012	0.020	0.031	1915
1916	0.016	0.044	0.078	33.0	6.85	1.27	0.773	0.307	0.098	0.083	0.084	0.043	3.52	1916
1917	0.014	0.015	0.956	11.6	5.14	0.885	0.415	0.046	0.014	0.018	0.033	0.009	1.88	1917
1918	0.003	0.015	2.65	2.53	1.21	0.147	0.025	0.080	0.014	0.011	0.028	0.015	0.584	1918
1919	0.021	0.020	0.024	9.33	0.782	0.058	0.105	0.004	0.001	0.001	0.013	0	0.854	1919
1920	0	0	0	26.6	5.61	0.324	0.035	0.003	0.001	0.005	0.021	0.018	2.88	1920
1921	0.006	0.006	0.440	0.515	0.271	4.21	4.70	0.386	0.107	0.089	0.035	0.021	0.901	1921
1922	0.011	0.022	1.27	14.1	5.82	1.01	0.439	0.021	0.012	0.024	0.052	0.036	1.88	1922
1923	0.017	0.009	0.420	19.2	2.18	---	---	---	---	---	---	---	---	1923
1933	---	---	---	1.56	5.17	5.83	0.347	0.015	0	0	0	0	---	1933
1934	0	0	0.635	0.703	0.053	0.185	0.015	0	0	0	0	0	0.133	1934
1935	0	0	0.002	1.20	0.802	0.188	0.009	0	0	0	0	0	0.183	1935
1936	0	0	0.009	11.1	2.30	0.217	0.018	0	0	0	0	0	1.13	1936
1937	0	0	0	0	0	0.042	0.022	0	0	0	0	0	0.005	1937
1938	0	0	8.08	1.78	0.954	0.085	0.034	0	0	0	0	0	0.921	1938
1939	0	0	10.0	7.18	0.219	0.041	0.001	0	0	0	0	0	1.46	1939
1940	0	0	0	0.008	0.048	0.022	0	0	0	0	0	0	0.007	1940
1941	0	0	0.375	10.4	2.14	0.783	0.082	0.005	0.188	0.285	0.175	0.083	1.30	1941
1942	0.005	0.028	1.78	10.5	3.58	0.842	0.383	0.232	0.077	0.077	0.087	0.032	1.38	1942
1943	0.025	0.008	2.70	57.4	4.68	2.83	0.729	0.135	0.010	0.014	0.019	0.005	5.84	1943
1944	0.008	0.003	0	0.171	0.306	3.88	2.84	0.995	0.385	0.137	0.042	0.023	0.707	1944
1945	0.026	0.030	0.043	0.225	0.061	0.029	0.030	0.004	0	0	0	0.006	0.038	1945
1946	0.010	0.003	4.39	1.81	0.106	0.050	0.131	0	0	0	0	0	0.847	1946
1947	0	0.001	2.77	25.6	5.19	1.03	0.855	0.020	0.287	0.221	0.148	0.111	3.11	1947
1948	0.101	0.068	0.098	42.6	24.7	2.31	0.874	0.187	0.014	0.018	0.034	0.021	5.82	1948
1949	0.024	0.022	0.080	10.4	0.808	0.288	0.041	0.033	0.006	0.004	0.050	0.008	0.952	1949
1950	0.008	0.006	0.584	15.2	3.15	1.67	0.333	0.033	0.008	0.010	0	0	1.78	1950
1951	0	0	0.028	20.9	27.6	1.64	0.194	0.076	0.143	0.288	0.177	0.088	4.30	1951
1952	0.060	0.073	0.707	13.3	0.882	0.981	0.107	0.023	0.041	0	0.035	0.009	1.28	1952
1953	0.001	0	0.544	2.00	2.01	22.3	20.3	3.87	0.300	---	---	---	---	1953
1954	---	---	---	1.94	1.33	2.94	0.854	0.018	0.035	0.197	---	---	---	1954
1955	---	---	0.507	26.4	13.1	2.84	0.375	0	0	0	---	---	---	1955
1960	---	---	---	---	---	0.143	0.091	0.011	0.053	0.005	---	---	---	1960
1961	---	---	0.006	0.011	0.011	0.002	0	0	0	---	---	---	---	1961
1962	---	---	0	0.004	0.798	0.076	0.003	0.001	0	0	---	---	---	1962
1963	---	---	0.004	0.085	0.029	0.201	0.143	0.283	0.101	0.082	---	---	---	1963
1964	---	---	0.019	5.78	1.04	0.185	0.300	0.012	0.008	0.006	---	---	---	1964
1965	---	---	0.035	4.80	13.4	8.16	1.73	0.632	0.296	0.282	---	---	---	1965
1966	---	---	5.72	4.82	0.953	0.034	0.006	0.015	0.015	0.051	---	---	---	1966
1967	---	---	0.336	5.24	5.85	0.220	0.123	0.029	0.184	0.179	---	---	---	1967
1968	---	---	0.254	0.060	0.176	0.068	0.007	0.124	0.006	0.001	---	---	---	1968
1969	---	---	4.78	52.3	11.1	0.820	2.37	0.190	0.385	0.389	---	---	---	1969
1970	---	---	0.088	5.18	41.5	5.48	1.38	0.691	0.211	0.287	---	---	---	1970
MEAN	0.013	0.016	1.36	10.9	4.73	1.78	0.821	0.188	0.070	0.091	0.060	0.021	1.54	MEAN

LOCATION - LAT 49 06 05 N DRAINAGE AREA, 11 300 km²
LONG 102 56 10 W REGULATED

SOURIS RIVER NEAR ESTEVAN · STATION NO. 05NB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	15.1 ON APR 5	0 ON JAN 7 *	32 400	1913
1914	---	17.4 ON JUN 7	0.0028 ON JAN 3	39 900	1914
1915	---	0.252 ON JUL 10	0 ON AUG 30	988	1915
1916	---	80.7 ON APR 10	0.013 ON JAN 9	111 000	1916
1917	---	10.9 ON MAY 2	0 E ON DEC 20	93 100	1917
1918	---	16.3 ON MAR 24	0 E ON JAN 4	17 800	1918
1919	---	30.3 E ON APR 5	0 ON SEP 18	26 900	1919
1920	---	49.8 ON APR 29	0 E ON JAN 1	84 700	1920
1921	---	23.2 ON JUN 29	0.0018 ON FEB 19	28 400	1921
1922	---	30.6 ON APR 11	0.0018 ON JAN 10	59 400	1922
1923	---	47.6 ON APR 18	0.0068 ON FEB 9	---	1923
1933	---	36.8 ON MAY 31	0 E ON AUG 17	---	1933
1934	---	1.81 ON MAR 20	0 ON JAN 1	4 180	1934
1935	---	5.15 ON APR 21	0 ON JAN 1	5 770	1935
1936	---	38.8 ON APR 19	0 ON JAN 1	35 700	1936
1937	---	0.980 ON JUN 18	0 ON JAN 1	168	1937
1938	---	30.9 ON MAR 24	0 ON JAN 1	39 100	1938
1939	---	45.2 ON MAR 26	0 ON JAN 1	46 300	1939
1940	---	0.099 ON MAY 7	0 ON JAN 1	212	1940
1941	---	27.0 ON APR 9	0 ON JAN 1	27 800	1941
1942	---	26.4 ON APR 9	0 ON JAN 8	43 400	1942
1943	---	136 ON APR 6	0 ON FEB 7	174 000	1943
1944	---	18.8 ON JUN 29	0 ON JAN 8	22 400	1944
1945	---	0.382 ON APR 7	0 ON AUG 13	1 180	1945
1946	---	10.1 ON MAR 15	0 ON FEB 10	17 300	1946
1947	---	49.3 ON APR 17	0 ON JAN 1	98 100	1947
1948	---	215 ON APR 24 *	0 ON SEP 23	187 000	1948
1949	---	32.3 ON APR 5	0 ON SEP 18	30 000	1949
1950	---	30.3 ON APR 22	0 ON MAR 19	95 300	1950
1951	---	71.9 ON MAY 2	0 ON JAN 1	136 000	1951
1952	---	23.4 ON APR 11	0 ON JUN 18	39 900	1952
1953	---	46.2 ON JUL 6	0 ON JAN 2	---	1953
1954	---	6.06 ON JUN 8	0 ON AUG 11	---	1954
1955	---	53.8 ON APR 8	0 ON MAR 1	---	1955
1960	---	---	0 ON JUN 17	---	1960
1961	---	0.023 ON APR 20	0 ON JUN 21	---	1961
1962	4.88 AT 06:30 CST ON MAY 30	4.30 ON MAY 17	0 ON MAR 1	---	1962
1963	1.44 AT 08:00 CST ON AUG 26	1.16 ON AUG 26	0 E ON MAR 1	---	1963
1964	16.3 AT 14:00 CST ON APR 14	16.1 ON APR 14	0.006 ON MAR 1	---	1964
1965	---	34.0 E ON MAY 31	---	---	1965
1966	---	25.5 E ON MAR 19	0 ON OCT 26	---	1966
1967	19.4 AT 09:00 CST ON MAY 12 *	18.0 ON MAY 11	0 E ON MAR 10	---	1967
1968	0.894 AT 21:00 CST ON MAR 6	0.885 ON MAR 8	0.001 ON JUN 26	---	1968
1969	---	197 E ON APR 15	0 ON SEP 4	---	1969
1970	---	59.4 E ON MAY 9	0 ON SEP 20	---	1970
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		48 760	MEAN

SOURIS RIVER NEAR GLEN EWEN · STATION NO. 05NB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.473	0.418	0.526	2.05	---	---	---	1911
1912	---	---	---	---	14.6	3.09	0.883	0.448	0.344	0.347	---	---	---	1912
1913	---	---	---	17.9	2.67	1.17	1.31	0.484	0.385	0.823	---	---	---	1913
1914	---	---	---	9.30	5.18	4.80	1.35	0.385	0.308	0.433	---	---	---	1914
1915	---	---	0.005	0.415	0.384	0.496	0.719	0.108	0.031	0.031	---	---	---	1915
1916	---	---	---	---	14.7	4.27	2.56	0.614	0.197	0.273	---	---	---	1916
1917	---	---	---	---	16.2	2.18	0.780	0.236	0.135	0.194	---	---	---	1917
1970	---	---	0.855	14.1	56.6	10.5	4.25	0.878	0.561	0.776	---	---	---	1970
1971	0.091	0.146	0.971	24.7	9.04	1.46	7.70	0.999	3.29	1.80	1.09	0.136	4.20	1971
1972	0.048	0.037	32.1	20.6	4.69	9.98	2.33	1.71	1.46	0.248	0.881	0.238	8.20	1972
1973	0.120	0.074	1.88	0.800	0.516	0.716	0.078	0.017	0.010	0.065	0.151	0.143	0.378	1973
1974	0.020	0.015	0.458	77.9	61.3	8.36	3.85	0.498	0.178	0.195	0.148	0.184	11.9	1974
1975	0.126	0.104	0.284	39.7	111	18.7	3.23	1.40	3.54	1.98	1.41	1.21	15.3	1975
1976	1.07	1.27	21.4	191	37.0	27.5	12.8	3.06	1.28	0.468	0.449	0.185	34.8	1976
1977	0.176	0.138	0.548	1.23	0.959	0.535	0.103	0.018	0.011	0.027	0.175	0.112	0.338	1977
1978	0.044	0.020	3.47	15.8	3.39	2.57	15.8	2.10	1.98	1.85	0.453	0.227	4.05	1978
1979	0.140	0.081	3.70	88.8	82.8	8.71	3.01	0.887	0.231	0.127	0.236	0.219	14.8	1979
1980	0.066	0.052	0.312	8.56	1.01	0.088	0.013	0.008	0.011	0.028	0.082	0.081	0.883	1980
1981	0.046	3.43	0.884	0.250	0.082	0.012	0	0.015	0	0.001	0.080	0.078	0.351	1981
1982	0.033	0.018	0.183	50.2	25.8	2.15	1.07	0.177	0.073	0.193	0.167	0.131	6.87	1982
1983	0.126	0.867	3.21	40.7	19.6	3.84	1.35	0.180	0.030	0.030	0.155	0.107	5.73	1983
1984	0.074	0.339	1.96	0.981	0.410	0.035	0.016	0	0	0.015	0.021	0.020	0.323	1984
1985	0.005	0.001	7.10	5.03	1.77	0.348	0.032	0.021	0.123	0.316	0.148	0.050	1.34	1985
1986	0.057	0.237	4.78	3.12	3.17	1.16	1.55	1.89	0.101	0.126	0.276	0.098	1.39	1986
MEAN	0.141	0.352	4.64	29.6	30.8	4.84	2.68	0.878	0.588	0.503	0.369	0.193	6.13	MEAN

LOCATION - LAT 49 11 02 N
LONG 102 01 42 W

DRAINAGE AREA 32 100 km^2
REGULATED

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1970	---	---	---	---	1970
1971	47.6 AT 06:09 CST ON APR 16	47.0 ON APR 17	0.0660 ON DEC 30	122 000	1971
1972	99.1 AT 07:34 CST ON MAR 25	97.4 ON MAR 25	0.0310 ON JAN 31	196 000	1972
1973	6.300 AT 16:35 CST ON MAR 15	2.940 ON MAR 15	0.001 ON SEP 14	11 900	1973
1974	206 AT 04:05 CST ON APR 19	200 ON APR 19	0.0130 ON FEB 6	379 000	1974
1975	204 AT 16:26 CST ON MAY 6	202 ON MAY 5	0.0650 ON MAR 2	484 000	1975
1976	411 AT 16:44 CST ON APR 9 *	385 ON APR 9 *	0.1300 ON DEC 30	777 000	1976
1977	2.15 AT 15:41 CST ON APR 16	2.14 ON APR 16	0.0045 ON SEP 4	10 000	1977
1978	47.6 AT 15:10 CST ON APR 4	46.7 ON APR 4	0.0120 ON JAN 29	126 000	1978
1979	236 AT 14:36 CST ON APR 29	235 ON APR 29	0.0200 ON FEB 6	498 000	1979
1980	17.4 E AT 13:00 CST ON APR 3	15.5 E ON APR 3	0.001 ON JUL 30	21 900	1980
1981	11.3 E AT 15:05 CST ON FEB 19	9.910 ON FEB 20	0 ON JUL 5 *	9 190	1981
1982	199 AT 13:50 CST ON APR 16	129 E ON APR 16	0.0010 ON FEB 21	210 000	1982
1983	72.4 AT 11:02 CST ON APR 21	70.7 ON APR 21	0.003 ON SEP 21	161 000	1983
1984	7.910 AT 08:20 CST ON MAR 26	7.380 ON MAR 26	0 ON JUL 29	10 300	1984
1985	33.2 E AT 07:52 CST ON MAR 20	28.6 E ON MAR 20	0 E ON FEB 10	35 200	1985
1986	14.1 E AT 17:23 CST ON MAR 4	13.1 E ON MAR 4	0.0030 ON FEB 10	46 700	1986
				193 000	MEAN

E - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR MALONITE - STATION NO. 05NB017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.032	0.008	0	0.021	0.005	0	0.002	0.104	---	---	0.022	1959
1960	---	---	0.335	10.1	0.527	0.084	0.001	0.002	0	0	---	---	1.36	1960
1961	---	---	0.184	0.086	0	0	0	0	0	0	---	---	0.032	1961
1962	---	---	0.342	0.275	0.026	0.052	0	0	0	0	---	---	0.087	1962
1963	---	---	0.488	0.030	0.002	0.170	0.700	0.068	0.186	0.001	---	---	0.204	1963
1964	---	---	0.033	1.93	0.198	0	0.014	0	0	0	---	---	0.288	1964
1965	---	---	0	1.52	2.51	2.70	0.179	0	0.142	0.007	---	---	0.870	1965
1966	---	---	3.85	1.33	0.373	0.001	0	0	0	0	---	---	0.672	1966
1967	---	---	0.173	3.85	0.583	0.059	0.006	0	0	0	---	---	0.450	1967
1968	---	---	0.308	0.049	0.014	0	0	0.400	0.071	0.013	---	---	0.109	1968
1969	---	---	0.138	24.8	5.80	0.138	0.803	0.033	0.012	0.047	---	---	3.86	1969
1970	---	---	0.067	4.96	11.2	1.86	0.552	0.180	0.006	0.015	---	---	2.36	1970
1971	---	---	0.241	12.0	3.03	0.181	1.20	0.025	0.110	0.080	---	---	1.95	1971
1972	---	---	0.34	2.30	0.197	0.074	0.018	0.018	0.012	0.001	---	---	0.883	1972
1973	---	---	0.118	0.045	0.018	0.030	0.005	0	0.126	0.018	---	---	0.044	1973
1974	---	---	0	27.9	15.1	0.885	0.021	0.062	0.012	0.011	---	---	5.66	1974
1975	---	---	0.013	28.6	32.7	1.65	0.192	0.106	0.084	0.080	---	---	7.90	1975
1976	---	---	3.90	53.1	7.03	13.7	2.82	1.01	0.180	0.085	---	---	9.88	1976
1977	---	---	0	0.058	0.170	0.017	0.026	0.035	0.059	0.040	---	---	0.056	1977
1978	---	---	1.85	1.94	0.385	1.02	2.83	0.103	0.146	0.304	---	---	1.02	1978
1979	---	---	0.153	35.3	17.6	3.78	0.881	0.068	0.062	0.045	---	---	8.86	1979
1980	---	---	0.856	1.73	0.056	0.021	0.012	0.011	0.035	0.035	---	---	0.315	1980
1981	---	0.111	0.087	0.043	0.010	0.004	0	0	0	0.011	0.033	---	0.019	1981
1982	---	---	0.009	31.5	9.19	0.315	0.106	0.025	0.010	0.012	---	---	3.72	1982
1983	---	---	0.043	15.0	3.45	1.61	0.346	0.170	0.044	0.011	---	---	2.81	1983
1984	---	---	0.038	0.140	0.049	0.001	0	0	0	0	---	---	0.026	1984
1985	---	---	1.35	2.42	0.148	0.013	0	0.006	0.003	0.080	---	---	0.498	1985
1986	---	---	1.09	0.403	2.83	0.017	0	0.005	0	0.078	---	---	0.556	1986
MEAN	---	0.111	0.588	8.98	4.03	0.978	0.361	0.062	0.046	0.037	0.033	---	1.82	MEAN

LOCATION - LAT. 49 39 37 N DRAINAGE AREA 3 190 km^2
LONG 103 39 44 W REGULATED

SOURIS RIVER NEAR MALBAIE - STATION NO 05NB017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.408 ON JUN 27	0 B ON MAR 1 *	483	1959
1960	---	34.5 ON APR 5	0 B ON MAR 1	28 800	1960
1961	---	1.22 A ON MAR 18	0 A ON MAR 1	669	1961
1962	---	4.19 B ON MAR 28	0 B ON MAR 1	1 840	1962
1963	8.87 AT 03 00 CST ON JUL 28	7.18 ON JUL 28	0 B ON MAR 1	4 320	1963
1964	9.44 B AT 21 30 CST ON APR 3	5.44 B ON APR 3	0 B ON MAR 1	5 880	1964
1965	11.7 AT 22 00 CST ON MAY 30	11.1 ON JUN 3	0 B ON MAR 1	18 500	1965
1966	15.2 B AT 06 30 CST ON MAR 18	14.7 B ON MAR 18	0 B ON MAR 1	14 200	1966
1967	7.90 AT 06 45 CST ON APR 12	6.77 ON APR 18	0 B ON MAR 1	9 530	1967
1968	3.20 AT 17 00 CST ON AUG 22	2.89 ON AUG 22	0 ON JUN 11	2 300	1968
1969	60.6 AT 20 30 CST ON APR 12	42.9 ON APR 12	0 B ON MAR 1	81 800	1969
1970	22.2 AT 10 45 CST ON MAY 6	20.9 ON MAY 5	0 B ON MAR 1	50 000	1970
1971	22.7 B AT 11 45 CST ON APR 8	22.2 B ON APR 10	0 ON AUG 4	41 300	1971
1972	20.1 B AT 15 30 CST ON MAR 31	19.6 B ON MAR 21	0 B ON MAR 1	20 800	1972
1973	1.20 AT 05 52 CST ON SEP 4	1.07 ON SEP 4	0 ON JUN 27	940	1973
1974	95.7 AT 19 30 CST ON APR 19	95.4 ON APR 19	0 B ON MAR 1	115 000	1974
1975	88.2 AT 03 33 CST ON APR 30	88.1 ON APR 30	0.001E ON JUL 24	167 000	1975
1976	89.6 AT 00 05 CST ON APR 7	87.8 ON APR 7	0.014B ON MAR 1	208 000	1976
1977	0.806 AT 13 47 CST ON MAY 19	0.803 ON MAY 20	0 B ON MAR 1	1 180	1977
1978	19.2 AT 21 59 CST ON JUL 8	15.3 B ON MAR 30	0 B ON MAR 1	21 600	1978
1979	123 AT 02 56 CST ON APR 23 *	118 ON APR 23 *	0 B ON MAR 1	123 000	1979
1980	8.75 B AT 10 30 CST ON APR 4	7.12 B ON APR 4	0 B ON MAR 1	5 880	1980
1981	---	0.1248 ON MAR 30	0 ON JUN 26	409	1981
1982	88.1 AT 17 50 CST ON APR 18	84.7 ON APR 19	0 B ON MAR 1	78 900	1982
1983	34.7 AT 06 24 CST ON APR 13	33.8 ON APR 12	0.004 ON SEP 26	59 400	1983
1984	0.933 AT 08 46 CST ON APR 27	0.519 ON APR 27	0 ON JUN 4	597	1984
1985	5.60 B AT 13 00 CST ON MAR 28	5.40 B ON MAR 28	0 B ON MAR 1	10 800	1985
1986	39.0 AT 15 51 CST ON MAY 12	15.3 ON MAY 12	0 ON JUN 12	11 800	1986
				38 800	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR LEWVAN - STATION NO 05NB025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	2.10	0.344	0.042	0.014	0	0	0	---	---	0.308	1971
1972	---	---	0.930	0.514	0.109	0.002	0	0	0	0	---	---	0.302	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	5.95	1.09	0.057	0.009	0.012	0	0	---	---	0.883	1974
1975	---	---	0	7.36	3.02	0.617	0.032	0	0	0	---	---	1.61	1975
1976	---	---	0	12.1	0.884	1.83	0.331	0.406	0.072	0.022	---	---	1.82	1976
1977	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.070	0.380	0.058	0.004	0.130	0.052	0.110	0.007	---	---	0.102	1978
1979	---	---	0	6.18	2.27	0.282	0.035	0	0	0	---	---	0.840	1979
1980	---	---	0.032	0.407	0.001	0	0	0	0	0	---	---	0.054	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	4.03	0.674	0.088	0.012	0	0	0	---	---	0.592	1982
1983	---	---	0	3.55	0.332	0.714	0.089	0.007	0	0	---	---	0.579	1983
1984	---	---	0.109	0.948	0	0	0	1.40	0.010	0.005	---	---	0.189	1984
1985	---	---	1.31	1.13	0.005	0	0	0	0	0	---	---	0.304	1985
1986	---	---	0.888	0.078	0.454	0	0	0	0	0	---	---	0.126	1986
MEAN	---	---	0.188	3.91	0.903	0.229	0.041	0.117	0.012	0.002	---	---	0.481	MEAN

LOCATION - LAT 49 56 37 N
LONG 104 04 33 W

DRAINAGE AREA, 590 km^2
REGULATED

SOURIS RIVER NEAR LEWVAN - STATION NO 05NB025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	11.5 B ON APR 7	0B ON MAR 1 *	5 530	1971
1972	---	4.30 B ON MAR 24	0B ON MAR 1	4 280	1972
1973	0 B AT 00 00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1973
1974	49.0 AT 23 15 CST ON APR 18	38.4 ON APR 18	0B ON MAR 1	18 300	1974
1975	54.3 AT 08 21 CST ON APR 29	33.1 ON APR 29	0B ON MAR 1	34 200	1975
1976	55.8 AT 18 23 CST ON APR 7 *	53.5 ON APR 7 *	0B ON MAR 1	40 700	1976
1977	---	0.028E ON APR 9	0B ON MAR 1	20.7	1977
1978	2.116 AT 20 25 CST ON APR 2	1.74 ON APR 3	0B ON MAR 1	2 180	1978
1979	33.5 B AT 16 45 CST ON APR 21	21.6 B ON APR 22	0B ON MAR 1	17 700	1979
1980	1.11 AT 06 13 CST ON APR 2	1.08 ON APR 2	0B ON MAR 1	1 140	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	43.6 AT 19 50 CST ON APR 17	27.6 ON APR 18	0B ON MAR 1	12 800	1982
1983	27.6 AT 03 52 CST ON APR 19	25.1 ON APR 19	0B ON MAR 1	12 300	1983
1984	27.9 AT 09 58 CST ON AUG 1	21.7 ON AUG 1	0B ON MAR 1	4 210	1984
1985	8.788 AT 23 30 CST ON MAR 19	5.60 B ON MAR 19	0B ON MAR 1	8 440	1985
1986	3.03 AT 09 35 CST ON MAY 10	2.46 ON MAY 10	0B ON MAR 1	2 870	1986
				10 200	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR MACOUN - STATION NO 05NB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	---	---	3.40	2.60	0.099	0	0	---	---	---	1956
1957	---	---	1.03	0.854	0.192	0.005	0	0.114	0.050	0	---	---	---	1957
1958	---	---	0.120	2.12	0.185	0.008	0.497	0.085	0	0	---	---	---	1958
MEAN	---	---	0.575	1.49	0.178	1.14	1.03	0.099	0.020	0	---	---	---	MEAN

LOCATION - LAT 49 11 55 N DRAINAGE AREA 5 230 km²
LONG 103 15 40 W REGULATED

SOURIS RIVER NEAR MACOUN - STATION NO 05NB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	---			
1957	---	5.21 ON MAR 29	0 ON AUG 20 *	---	1956
1958	---	5.50 ON APR 7 *	0E ON MAR 1	---	1957
			0B ON MAR 1	---	1958
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SOURIS RIVER NEAR MCTAGGART - STATION NO 05NB030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	5.29	---	---	---	---	---	---	---	---	1970
1974	---	---	---	---	10.1	---	---	---	---	---	---	---	---	1974
1975	---	---	0	14.0	33.5	0.732	0.050	0.035	0.003	0	---	---	4.78	1975
1976	---	---	0.005	35.9	4.58	7.80	1.58	0.539	0.095	0.007	---	---	5.34	1976
1977	---	---	0	0.155	0	0	0	0	0	0	---	---	0.019	1977
1978	---	---	0.463	1.19	0.040	0.111	0.723	0	0.054	0.007	---	---	0.322	1978
1979	---	---	0	10.9	10.2	0.432	0.382	0	0	0	---	---	2.72	1979
1980	---	---	0.114	1.02	0.003	0	0	0	0	0	---	---	0.140	1980
1981	---	---	0.015	0.004	0	0.005	0	0	0	0	---	---	0.004	1981
1982	---	---	0	13.7	5.59	0.226	0.187	0.150	0	0	---	---	2.45	1982
1983	---	---	0	9.43	3.35	1.98	0.859	0.220	0	0	---	---	1.93	1983
1984	---	---	0.238	0.115	0	0.027	0.008	1.05	0.008	0.011	---	---	0.183	1984
1985	---	---	3.54	1.46	0.005	0	0	0	0	0	---	---	0.830	1985
1986	---	0	2.49	0.039	1.97	0.010	0.014	0	0	0	---	---	0.572	1986
MEAN	---	0	0.572	7.41	4.62	0.938	0.307	0.171	0.013	0.002	---	---	1.87	MEAN

LOCATION - LAT 49 48 10 N DRAINAGE AREA 2 020 km²
LONG 104 00 56 W REGULATED

SOURIS RIVER NEAR MCTAGGART - STATION NO 05NB030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	47.6 ON APR 29	0B ON MAR 1 *	101 000	1975
1976	50.7 AT 14 03 CST ON APR 14 *	50.1 ON APR 14 *	0B ON MAR 1	134 000	1976
1977	---	0.844E ON APR 10	0B ON MAR 1	403	1977
1978	---	3.99 ON JUL 9	0B ON MAR 1	6 820	1978
1979	35.5 B AT 11 30 CST ON APR 22	34.5 B ON APR 22	0B ON MAR 1	57 800	1979
1980	4.808 AT 17 30 CST ON APR 3	4.25 B ON APR 3	0B ON MAR 1	3 980	1980
1981	---	0.081E ON MAR 19	0E ON MAR 1	76.1	1981
1982	32.5 AT 01 55 CST ON APR 22	32.2 ON APR 22	0B ON MAR 1	51 900	1982
1983	26.5 AT 23 44 CST ON APR 19	25.2 ON APR 19	0B ON MAR 1	40 800	1983
1984	4.31 AT 17 37 CST ON AUG 5	4.19 ON AUG 5	0B ON MAR 1	3 880	1984
1985	13.5 B AT 05 33 CST ON MAR 22	13.1 B ON MAR 22	0B ON MAR 1	13 300	1985
1986	---	8.33 ON MAY 11	0 ON JUN 23	12 100	1986
				35 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SOURIS RIVER NEAR MIDALE - STATION NO 05NB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	0.051	0.496	0.758	0.267	0.235	0.030	---	---	---	---	1944
MEAN	---	---	---	0.051	0.496	0.758	0.267	0.235	0.030	---	---	---	---	MEAN

LOCATION - LAT 49 22 45 N DRAINAGE AREA 4 010 km²
LONG 103 35 35 W REGULATED

SOURIS RIVER NEAR MIDALE - STATION NO 05NB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON APR 1 *	---	1944
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SOURIS RIVER NEAR OXBOW - STATION NO 05ND003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	24.5	29.8	8.73	7.24	12.2	3.83	0.840	0.553	---	---	---	1928
1929	---	---	1.17	2.37	1.82	4.06	0.302	0	0	0.002	---	---	---	1929
1930	---	---	---	---	2.08	0.859	0.541	0.045	0	0	---	---	---	1930
1943	---	---	---	78.4	7.74	3.95	1.87	0.313	0.185	0	---	---	---	1943
1944	---	---	---	1.32	0.843	8.38	7.97	1.28	0.529	---	---	---	---	1944
1945	---	---	---	0.845	0.275	0.485	0.756	0.226	0.056	0.100	---	---	---	1945
1946	---	---	---	5.23	0.515	0.429	0.315	0.044	0.033	0.041	---	---	---	1946
1947	---	---	---	44.3	8.75	7.34	3.21	0.482	0.517	---	---	---	---	1947
1948	---	---	---	---	44.4	3.35	2.07	0.750	0.086	0.085	---	---	---	1948
1949	---	---	---	21.8	1.32	1.10	0.228	0.132	0.009	0.067	---	---	---	1949
1950	---	---	---	25.5	8.59	3.59	1.43	0.940	0.245	0.184	---	---	---	1950
1951	---	---	---	35.1	37.8	4.32	0.550	0.344	0.334	0.531	---	---	---	1951
1952	---	---	---	18.6	2.33	0.708	0.488	0.045	0.191	0.128	---	---	---	1952
1953	---	---	---	8.26	4.07	29.8	28.5	3.85	0.417	0.136	---	---	---	1953
1954	---	---	---	4.75	3.55	13.1	4.29	0.984	1.41	1.55	2.08	---	---	1954
1955	---	---	---	59.1	34.4	9.46	3.43	0.929	0.892	0.905	---	---	---	1955
1956	---	---	4.48	47.8	14.1	4.40	5.37	1.51	0.367	0.588	---	---	---	1956
1957	---	---	4.53	7.58	2.85	0.981	0.286	0.823	0.271	0.202	---	---	---	1957
1958	---	---	4.50	8.36	0.837	0.099	0.030	0.016	0.006	0.007	---	---	---	1958
1959	---	---	4.39	0.883	0.245	0.190	0.077	0.012	0.007	1.03	0.470	0.108	---	1959
1960	0.072	0.046	4.55	30.9	2.93	0.381	0.107	0.178	0.009	0.006	0.006	0.003	3.24	1960
1961	0.003	0.005	0.935	0.041	0.142	0.095	0.005	0.006	0.006	0.003	0.002	0	0.108	1961
1962	0	0	1.03	0.459	0.702	1.23	0.101	0.002	0	0	0	0	0.295	1962
1963	0	0	1.77	0.545	0.585	1.13	1.07	1.04	0.584	0.045	0.040	0.004	0.822	1963
1964	0	0.003	0.277	11.3	2.98	0.321	0.357	0.043	0.004	0.005	0.005	0.003	1.26	1964
1965	0	0.002	0.130	8.01	11.0	13.4	2.96	1.03	0.389	0.122	0.138	0.103	2.94	1965
1966	0.058	0.028	15.2	6.18	1.90	0.451	0.084	0.050	0.041	0.017	0.014	0.009	2.02	1966
1967	0.007	0.003	0.885	6.09	7.03	0.832	0.112	0.003	0.003	0.003	0.003	0.003	1.25	1967
1968	0.003	0.003	3.34	0.528	0.257	0.084	0.001	0.038	0.073	0.014	0.003	0.007	0.385	1968
1969	0.008	0.006	4.05	103	18.1	1.82	5.15	0.578	0.287	0.417	0.147	0.028	11.1	1969
1970	0.028	0.043	0.843	14.1	56.5	9.26	3.81	0.921	0.558	0.786	0.585	0.154	7.37	1970
MEAN	0.015	0.013	4.50	20.1	9.26	4.23	2.83	0.840	0.257	0.257	0.269	0.035	2.78	MEAN

LOCATION - LAT 49 12 55 N LONG 102 10 14 W DRAINAGE AREA 21 800 km^2 REGULATED

SOURIS RIVER NEAR OXBOW - STATION NO 05ND003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	88.1 B ON MAR 24	---	---	1928
1929	---	10.2 ON JUN 1	0 ON AUG 3 *	---	1929
1930	---	---	0 ON AUG 10	---	1930
1943	---	181 B ON APR 9	0 ON SEP 14	---	1943
1944	---	36.5 ON JUL 1	---	---	1944
1945	---	---	0 ON AUG 30	---	1945
1946	---	114 ON MAR 27	---	---	1946
1947	---	73.3 ON APR 18	0 ON SEP 25	---	1947
1948	---	215 ON APR 27	0 B ON APR 11	---	1948
1949	---	85.0 B ON APR 9	0 ON JUN 12	---	1949
1950	---	47.5 ON APR 18	---	---	1950
1951	---	85.0 ON MAY 8	---	---	1951
1952	---	37.7 B ON MAR 31	---	---	1952
1953	---	54.7 ON JUL 7	0 ON OCT 10	---	1953
1954	---	36.2 ON JUN 16	---	---	1954
1955	---	113 ON APR 3	---	---	1955
1956	---	120 ON APR 12	---	---	1956
1957	---	23.8 ON MAR 23	---	---	1957
1958	---	22.8 ON MAR 29	---	---	1958
1959	---	22.7 ON MAR 30	0 E ON MAR 1	---	1959
1960	---	84.7 ON APR 5	0.003 ON JUL 25	102 000	1960
1961	---	3.43 ON MAR 17	0 A ON JUN 13	3 410	1961
1962	---	14.4 ON MAR 28	0 ON JAN 1	8 330	1962
1963	---	12.7 B ON MAR 23	0 B ON JAN 1	19 800	1963
1964	---	19.7 B ON APR 4	0 B ON JAN 1	40 000	1964
1965	---	26.3 ON JUN 9	0 B ON JAN 1	92 700	1965
1966	---	40.3 ON MAR 31	0.003 ON JUL 23	63 900	1966
1967	---	17.0 ON MAY 13	0.0038 ON FEB 1	39 500	1967
1968	---	12.5 B ON MAR 8	0.001 ON JUN 30	11 500	1968
1969	---	239 B ON APR 11 *	0 B ON NOV 16	349 000	1969
1970	---	83.3 ON MAY 14	0.028 ON JAN 1	332 000	1970
				87 500	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO 05NB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	3.94	26.5	5.70	2.86	3.39	0.980	0.021	0.009	---	---	5.85	1955
1957	---	---	1.63	1.84	0.315	0.036	0.001	0	0	0	---	---	0.476	1957
1958	---	---	0.620	2.22	0.273	0.011	0	0	0	0.003	---	---	0.387	1958
1959	---	---	2.56	0.194	0.005	0.016	0.004	0.031	0.196	0.592	---	---	0.458	1959
1960	---	---	4.86	20.5	1.93	0.285	0.128	0.297	0.008	0.010	---	---	3.46	1960
1961	---	---	0.353	0.088	0.016	0.004	0.006	0	0	0	---	---	0.082	1961
1962	---	---	0.603	0.088	0.572	0.602	0.015	0	0	0	---	---	0.235	1962
1963	---	---	0.158	0.121	0.412	1.13	0.705	0.736	0.201	0.050	---	---	0.439	1963
1964	---	---	0.036	7.78	1.44	0.446	0.263	0.016	0.006	0.006	---	---	1.24	1964
1969	---	---	4.06	89.0	11.4	1.02	2.90	0.141	0.619	0.327	---	---	11.0	1969
1970	---	---	0.407	6.82	45.6	5.91	1.87	0.651	0.409	0.287	---	---	7.76	1970
1971	---	---	0.569	15.9	4.79	0.376	7.37	0.989	3.14	0.918	---	---	4.23	1971
1972	---	---	24.5	10.4	2.85	7.80	1.13	1.70	1.02	0.223	---	---	6.16	1972
1973	---	---	0.555	0.209	0.131	0.293	0.004	0	0.147	0.168	---	---	0.188	1973
1974	---	---	1.06	82.1	36.1	4.40	3.08	0.183	0.045	0.090	---	---	13.0	1974
1975	---	---	0.100	39.5	76.6	11.9	0.821	0.241	1.30	0.740	---	---	16.6	1975
1976	---	---	23.5	132	19.6	25.6	7.82	1.52	0.587	0.353	---	---	26.0	1976
1977	---	---	0.073	0.113	0.106	0.061	0.007	0.004	0.017	0.117	---	---	0.083	1977
1978	---	---	2.67	11.6	1.90	2.31	16.8	1.59	2.33	1.84	---	---	5.10	1978
1979	---	---	4.45	89.0	64.8	5.45	0.808	0.239	0.126	0.030	---	---	18.0	1979
1980	---	---	0.281	2.76	0.272	0.020	0.004	0.005	0.007	0.021	---	---	0.426	1980
1981	---	0.677	0.212	0.034	0.051	0.005	0.007	0.038	0.002	0.011	---	---	0.065	1981
1982	---	---	0.336	42.4	18.3	0.942	1.12	0.099	0.051	0.181	---	---	7.85	1982
1983	---	---	3.22	31.6	11.1	0.931	0.951	0.081	0.016	0.054	---	---	5.96	1983
1984	---	---	0.381	0.157	0.109	0.004	0	0	0	0.002	---	---	0.094	1984
1985	---	---	1.82	3.25	0.523	0.041	0	0.137	0.021	0.117	---	---	0.709	1985
1986	---	---	1.20	1.22	2.82	0.430	1.36	0.881	0.005	0.118	---	---	1.01	1986
MEAN	---	0.677	3.12	20.6	11.5	2.69	1.87	0.359	0.377	0.227	---	---	5.08	MEAN

LOCATION - LAT 49 04 24 N DRAINAGE AREA 12 700 km²
LONG 102 46 53 W REGULATED

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO 05NB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1955	---	40.5 ON APR 14	0.003 ON SEP 21	120 000	1955
1957	---	8.26 ON MAR 24	0 B ON MAR 1 *	10 100	1957
1958	---	8.07 ON APR 7	0 B ON MAR 1	8 180	1958
1959	---	11.6 B ON MAR 19	0 ON MAY 11	9 650	1959
1960	---	36.8 ON APR 7	0 B ON MAR 1	73 500	1960
1961	---	2.55 ON MAR 17	0 B ON MAR 1	1 300	1961
1962	---	4.02 ON MAR 25	0 B ON MAR 1	4 880	1962
1963	---	6.17 ON JUN 7	0 B ON MAR 1	9 280	1963
1964	---	17.8 ON APR 15	0 B ON MAR 1	26 300	1964
1969	---	204 ON APR 15	0.005 ON AUG 26	234 000	1969
1970	---	74.8 ON MAY 10	0 E ON OCT 6	185 000	1970
1971	37.4 AT 08 00 CST ON APR 15	36.8 ON APR 15	0.1138 ON MAR 1	69 500	1971
1972	86.8 AT 01 47 CST ON MAR 23	66.3 ON MAR 23	0.0718 ON MAR 1	130 000	1972
1973	2.718 AT 03 08 CST ON MAR 10	2.11 B ON MAR 10	0 ON JUL 13	3 980	1973
1974	118 AT 09 58 CST ON APR 25	118 ON APR 25	0.015 ON SEP 4	276 000	1974
1975	188 AT 09 47 CST ON MAY 1	187 ON MAY 1	0.0428 ON MAR 9	351 000	1975
1976	209 AT 19 24 CST ON APR 5	206 ON APR 6	0.069 ON SEP 27	550 000	1976
1977	1.22 AT 05 55 CST ON MAY 19	1.03 ON MAY 19	0.005 ON JUL 25	1 320	1977
1978	38.6 AT 01 02 CST ON APR 2	37.7 ON APR 2	0.0088 ON MAR 8	108 000	1978
1979	257 AT 02 47 CST ON APR 26 *	250 ON APR 26 *	0.033 ON OCT 4	361 000	1979
1980	5.94 AT 01 23 CST ON APR 6	5.67 ON APR 6	0.001 ON JUL 11	9 070	1980
1981	---	0.8058 ON MAR 1	0 ON APR 25	963	1981
1982	84.2 AT 19 58 CST ON APR 25	84.0 ON APR 25	0.008 ON AUG 24	185 000	1982
1983	47.2 AT 17 46 CST ON APR 18	47.0 ON APR 18	0.007 ON SEP 26	126 000	1983
1984	1.948 AT 16 58 CST ON MAR 26	1.82 B ON MAR 26	0 ON JUN 19	2 000	1984
1985	8.82 AT 16 05 CST ON APR 5	8.33 ON APR 7	0 ON JUL 3	15 000	1985
1986	8.08 AT 09 36 CST ON MAY 17	7.85 ON MAY 17	0.003 ON SEP 1	21 400	1986
				107 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SOURIS RIVER NEAR SHERWOOD - STATION NO 05ND007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	13.0	2.56	0.898	0.385	0.077	0.001	0.042	0.027	0.003	---	1930
1931	0	0	0.028	0.341	0.247	0.030	0.002	0	0	0	0.002	0	0.054	1931
1932	0	0	0.072	1.43	0.456	0.455	0.276	0.035	0	0.006	0.014	0.014	0.229	1932
1933	0.008	0.056	5.99	5.35	2.15	0.64	0.586	0.153	0.021	0.043	0.042	0.011	2.17	1933
1934	0.006	0.142	5.53	2.53	0.423	0.102	0.038	0	0	0	0	0	0.736	1934
1935	0	0	0.072	1.38	1.26	0.406	0.908	0.077	0.007	0.004	0.005	0	0.344	1935
1936	0	0	0	17.0	4.98	0.639	0.047	0	0	0	0	0	1.87	1936
1937	0	0	0	0.415	0.103	0.016	0	0	0	0	0	0	0.044	1937
1938	0	0	11.5	3.66	1.12	0.228	0.058	0.009	0	0	0	0	1.40	1938
1939	0	0	15.3	15.9	1.00	0.275	0.335	0.053	0.001	0.002	0.008	0.003	2.75	1939
1940	0	0	0.001	0.432	0.348	0.086	0.004	0.013	0.001	0	0	0	0.073	1940
1941	0	0	0.027	12.2	2.83	1.23	0.331	0.111	0.038	0.035	0.111	0.084	1.41	1941
1942	0.006	0.002	2.89	19.3	4.04	1.54	0.910	0.579	0.279	0.183	0.172	0.078	2.90	1942
1943	0.079	0.036	1.43	78.2	9.53	4.87	2.45	0.733	0.475	0.173	0.197	0.172	8.13	1943
1944	0.109	0.103	0.103	1.85	0.915	4.50	10.3	1.83	0.970	0.404	0.318	0.119	1.80	1944
1945	0.046	0.041	0.480	0.883	0.440	0.489	0.848	0.286	0.082	0.107	0.112	0.023	0.318	1945
1946	0	0.001	15.7	8.12	0.983	0.661	0.401	0.170	0.049	0.087	0.055	0.032	2.20	1946
1947	0.021	0.013	1.55	45.4	10.3	6.18	4.04	0.840	0.674	0.375	0.271	0.300	5.80	1947
1948	0.226	0.170	0.147	38.8	87.2	4.76	2.62	1.37	0.354	0.270	0.434	0.208	9.75	1948
1949	0.089	0.068	0.134	23.3	2.18	1.52	0.516	0.325	0.105	0.180	0.281	0.120	2.38	1949
1950	0.085	0.077	1.57	25.2	9.05	3.80	1.73	1.11	0.374	0.256	0.249	0.156	3.63	1950
1951	0.173	0.149	0.183	33.9	41.1	4.33	1.10	0.596	0.405	0.596	0.525	0.241	8.97	1951
1952	0.076	0.099	1.06	20.2	2.77	0.780	0.886	0.182	0.180	0.149	0.181	0.106	2.18	1952
1953	0.084	0.080	2.42	9.67	4.08	27.0	29.7	5.06	1.04	0.386	0.506	0.374	8.73	1953
1954	0.243	0.736	3.04	4.25	3.57	11.3	4.47	0.881	1.20	1.62	1.85	0.758	2.82	1954
1955	0.245	0.193	0.182	60.4	34.2	11.3	4.44	1.42	0.718	0.928	0.594	0.218	9.55	1955
1956	0.089	0.071	3.93	49.2	16.1	4.47	6.75	1.84	0.459	0.584	0.592	0.236	8.99	1956
1957	0.113	0.030	3.27	8.48	3.14	1.25	0.431	0.558	0.323	0.140	0.300	0.127	1.51	1957
1958	0.052	0.049	3.51	11.6	1.25	0.310	0.112	0.030	0.021	0.042	0.048	0.004	1.41	1958
1959	0	0	4.85	1.17	0.312	0.339	0.118	0.025	0.031	0.803	0.401	0.126	0.671	1959
1960	0.084	0.040	2.90	33.6	4.18	0.981	0.358	0.257	0.044	0.039	0.054	0.047	3.52	1960
1961	0.019	0.011	0.983	0.496	0.219	0.144	0.002	0	0	0	0	0	0.156	1961
1962	0	0	0.889	1.03	0.731	1.85	0.308	0.044	0.002	0.013	0.024	0.016	0.392	1962
1963	0	0	1.82	1.00	0.682	2.18	0.973	1.01	0.981	0.097	0.157	0.132	0.755	1963
1964	0.096	0.088	0.178	12.4	2.87	1.03	0.889	0.140	0.037	0.082	0.098	0.138	1.49	1964
1965	0.056	0.031	0.059	8.76	12.0	14.6	2.81	0.844	0.287	0.175	0.244	0.123	3.17	1965
1966	0.084	0.054	12.3	10.9	2.11	0.677	0.227	0.066	0.021	0.014	0.035	0.014	2.22	1966
1967	0.004	0.001	0.431	7.55	7.57	0.770	0.088	0.005	0	0	0.389	0.065	1.41	1967
1968	0.021	0.013	4.05	0.974	0.305	0.113	0.030	0.009	0.071	0.013	0.028	0.007	0.474	1968
1969	0	0	2.80	108	20.9	2.65	4.95	1.17	0.480	0.787	0.438	0.189	11.8	1969
1970	0.135	0.184	1.07	13.9	53.6	10.5	4.40	1.34	0.706	0.780	0.700	0.252	7.37	1970
1971	0.211	0.218	1.31	22.5	9.06	1.66	6.62	0.900	1.76	2.25	1.07	0.286	3.89	1971
1972	0.151	0.086	32.5	20.7	4.78	8.44	2.32	1.66	1.80	0.323	0.681	0.207	6.25	1972
1973	0.181	0.085	1.68	0.803	0.662	0.744	0.143	0.044	0.035	0.082	0.257	0.090	0.403	1973
1974	0.026	0.028	0.329	75.6	54.2	8.89	3.94	0.891	0.283	0.230	0.240	0.167	12.0	1974
1975	0.162	0.145	0.184	33.8	113	19.5	3.70	1.12	4.13	2.29	1.41	1.35	15.2	1975
1976	1.26	1.24	18.0	191	41.7	25.7	14.3	2.85	1.54	0.531	0.543	0.303	24.6	1976
1977	0.226	0.181	0.410	1.14	1.02	0.565	0.143	0.040	0.027	0.049	0.178	0.115	0.341	1977
1978	0.086	0.027	3.32	15.5	3.40	2.70	15.6	2.43	1.94	2.01	0.459	0.286	4.01	1978
1979	0.143	0.105	4.10	80.0	97.3	8.84	2.44	0.815	0.337	0.176	0.294	0.268	14.7	1979
1980	0.141	0.157	0.445	7.07	1.19	0.124	0.071	0.025	0.018	0.034	0.071	0.078	0.777	1980
1981	0.070	4.05	1.25	0.315	0.146	0.039	0.013	0.019	0.014	0.007	0.017	0.021	0.473	1981
1982	0.012	0.006	0.083	47.3	28.6	2.89	1.00	0.484	0.102	0.241	0.285	0.157	6.75	1982
1983	0.139	0.417	4.52	37.3	20.7	2.74	1.47	0.300	0.048	0.048	0.180	0.110	5.86	1983
1984	0.100	0.262	2.28	1.25	0.429	0.080	0.024	0.006	0.008	0.025	0.018	0.015	0.376	1984
1985	0.004	0	9.22	5.38	1.97	0.315	0.086	0.056	0.092	0.294	0.187	0.073	1.48	1985
1986	0.064	0.237	5.42	2.00	3.39	1.26	1.51	2.14	0.135	0.171	0.321	0.097	1.41	1986
MEAN	0.092	0.175	3.50	21.6	12.6	3.95	2.51	0.647	0.398	0.318	0.277	0.143	3.88	MEAN

LOCATION - LAT 48 59 24 N LONG 101 57 28 W DRAINAGE AREA 22 400 km² REGULATED INTERNATIONAL GAUGING STATION

SOURIS RIVER NEAR SHERWOOD - STATION NO. 05ND007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	23.1 ON APR 8	0 ON SEP 4 *	---	1930
1931	---	0.510 ON APR 14	0 E ON JAN 1	1 710	1931
1932	---	2.55 B ON APR 10	0 E ON JAN 1	7 230	1932
1933	---	38.2 B ON MAR 31	0.008E ON JAN 1	68 200	1933
1934	---	9.74 B ON MAR 16	0 ON AUG 1	23 200	1934
1935	---	4.67 ON APR 24	0 ON JAN 1	10 900	1935
1936	---	36.0 ON APR 25	0 ON JAN 1	59 300	1936
1937	---	3.34 ON APR 14	0 ON JAN 1	1 400	1937
1938	---	29.2 ON MAR 27	0 ON JAN 1	44 100	1938
1939	---	59.7 ON MAR 28	0 ON JAN 1	86 700	1939
1940	---	2.12 B ON APR 15	0 ON JAN 1	2 320	1940
1941	---	28.9 ON APR 14	0 ON JAN 1	44 400	1941
1942	---	46.1 B ON APR 5	0 ON FEB 20	78 800	1942
1943	---	151 ON APR 12	0.017B ON MAR 1	256 000	1943
1944	---	35.1 ON JUL 4	0.045 ON DEC 28	56 900	1944
1945	---	1.70 ON MAR 29	0 B ON DEC 24	10 000	1945
1946	---	56.1 ON MAR 30	0 B ON JAN 1	89 500	1946
1947	---	83.7 ON APR 18	0.003 ON FEB 24	183 000	1947
1948	210 AT 23:00 CST ON APR 28	209 ON APR 29	0.085B ON DEC 28	308 000	1948
1949	---	76.5 ON APR 11	0.028B ON JAN 22	75 000	1949
1950	---	45.3 ON APR 18	0.057B ON FEB 21	114 000	1950
1951	---	75.9 ON MAY 10	0.085B ON DEC 23	220 000	1951
1952	---	32.5 B ON APR 3	0.085B ON JAN 10	89 100	1952
1953	---	50.4 ON JUL 9	0.088B ON JAN 15	212 000	1953
1954	---	22.4 ON JUN 12	0.212B ON JAN 31	89 100	1954
1955	---	142 ON APR 5	0.119B ON MAR 25	302 000	1955
1956	---	98.7 ON APR 16	0.057B ON JAN 18	221 000	1956
1957	39.1 B AT 09:00 CST ON APR 2	19.8 B ON MAR 25	0.023B ON FEB 8	47 800	1957
1958	---	38.8 B ON APR 1	0 B ON DEC 7	44 600	1958
1959	---	20.4 B ON MAR 22	0 B ON JAN 1	21 100	1959
1960	75.6 AT 05:30 CST ON APR 8	74.5 ON APR 8	0.006 ON MAR 8	111 000	1960
1961	4.53B ON MAR 20	4.08 B ON MAR 20	0 ON JUL 15	4 910	1961
1962	25.2 AT 06:00 CST ON JUN 15	16.3 ON JUN 15	0 ON JAN 1	12 400	1962
1963	13.3 B AT 16:00 CST ON MAR 25	12.7 B ON MAR 25	0 B ON JAN 1	23 800	1963
1964	---	23.8 B ON APR 5	0.014 ON SEP 20	47 100	1964
1965	28.2 AT 09:00 CST ON JUN 9	29.2 ON JUN 9	0.023B ON FEB 27	100 000	1965
1966	39.9 AT 08:00 CST ON APR 2	38.2 ON APR 2	0.003 ON SEP 26	70 000	1966
1967	17.4 AT 02:00 CST ON MAY 15	17.1 ON MAY 14	0 ON AUG 25	44 500	1967
1968	11.3 B AT 08:30 CST ON MAR 9	11.0 B ON MAR 9	0 ON JUL 31	14 900	1968
1969	351 B AT 23:00 CST ON APR 11 *	311 B ON APR 12	0 ON JAN 1	371 000	1969
1970	77.8 AT 12:00 CST ON MAY 17	77.8 ON MAY 17	0.093B ON JAN 1	232 000	1970
1971	---	41.9 ON APR 18	0.153 ON JAN 7	126 000	1971
1972	---	90.9 ON MAR 27	0.082 ON FEB 8	198 000	1972
1973	---	3.54 B ON MAR 18	0.015 ON SEP 17	12 700	1973
1974	181 ON APR 19	178 ON APR 20	0.011B ON JAN 10	380 000	1974
1975	193 AT 15:30 CST ON MAY 5	191 ON MAY 5	0.142B ON FEB 5	480 000	1975
1976	---	388 ON APR 10 *	0.227B ON DEC 31	776 000	1976
1977	2.15 AT 11:00 CST ON APR 17	2.12 ON APR 17	0.011 ON SEP 21	10 800	1977
1978	44.5 AT 19:00 CST ON APR 5	43.9 ON APR 5	0.023B ON FEB 10	126 000	1978
1979	242 AT 09:00 CST ON APR 30	239 ON APR 30	0.058B ON MAR 3	486 000	1979
1980	17.8 B AT 24:00 CST ON APR 4	16.9 B ON APR 5	0.011 ON SEP 1	24 800	1980
1981	18.7 B AT 04:30 CST ON FEB 21	16.6 B ON FEB 21	0.005 ON AUG 4	14 900	1981
1982	111 AT 08:00 CST ON APR 18	109 ON APR 18	0.003B ON FEB 1	213 000	1982
1983	56.1 AT 18:00 CST ON APR 22	55.5 ON APR 22	0.028 ON SEP 28	179 000	1983
1984	8.04B AT 01:00 CST ON MAR 26	8.78 B ON MAR 26	0.001E ON AUG 25	11 900	1984
1985	32.3 B AT 00:30 CST ON MAR 21	30.3 B ON MAR 21	0 B ON JAN 20	45 700	1985
1986	14.7 B AT 17:00 CST ON MAR 5	14.2 B ON MAR 5	0.027B ON FEB 24	44 400	1986
				123 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT SASKATCHEWAN LANDING - STATION NO. 05HC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	107	441	283	287	149	98.5	---	---	---	1944
1945	---	---	118	141	288	830	528	185	152	181	---	---	294	1945
1946	---	---	---	286	303	832	480	158	218	184	---	---	---	1946
1947	---	---	381	577	742	788	437	189	234	322	---	---	458	1947
1959	---	---	158	280	386	718	567	239	175	186	---	---	334	1959
1980	---	---	181	452	411	479	379	193	71.4	80.8	---	---	278	1980
1981	---	---	131	173	288	722	171	172	97.4	139	---	---	235	1981
1982	---	---	135	481	308	445	291	184	152	85.5	---	---	286	1982
1983	---	---	---	183	174	504	701	277	187	140	---	---	---	1983
1984	---	---	97.5	185	583	989	---	---	---	---	---	---	---	1984
MEAN	---	---	172	303	387	675	428	205	180	151	---	---	308	MEAN

LOCATION - LAT 50 39 10 N
LONG 107 58 20 W
DRAINAGE AREA, 126 000 km^2
REGULATED

SOUTH SASKATCHEWAN RIVER AT SASKATCHEWAN LANDING - STATION NO 05MC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	---	---	1944
1945	---	1 120 ON JUN 11	62 38 ON MAR 5	6 230 000	1945
1946	---	---	---	---	1946
1947	---	1 6608 ON MAR 25 *	91 78 ON MAR 14	9 700 000	1947
1959	---	1 100 ON JUL 3	89 58 ON MAR 6	7 080 000	1959
1960	---	949 ON MAR 31	47 9 ON OCT 15 *	5 880 000	1960
1961	---	1 040 ON JUN 1	58 3 ON SEP 29	4 880 000	1961
1962	---	858 ON APR 14	73 8E ON OCT 15	5 430 000	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
				6 550 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT SASKATOON — STATION NO. 05HC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	...	...	...	...	...	919	784	686	577	180	86 3	112	...	1911
1912	67 8	65 1	65 2	601	417	658	952	671	484	283	210	93 4	380	1912
1913	35 3	56 1	58 9	449	338	919	887	62	269	224	186	06	31	1913
1914	78 5	60 3	86 1	178	393	747	663	377	235	282	23	90 1	276	1914
1915	85 7	66 4	94 0	382	58 1	020	710	654	493	380	173	109	503	1915
1916	72 1	69 4	434	683	38.2	440	610	756	942	399	229	40	580	1916
1917	101	88	77 1	473	716	830	856	338	253	158	129	86 8	407	1917
1918	72 8	97 9	123	376	386	654	42	247	174	146	120	86 8	239	1918
1919	63 3	70 4	84 5	218	267	648	282	273	174	90 8	67 8	45 1	178	1919
1920	58 4	54 5	71 0	442	010	719	851	383	184	131	80 9	59 0	340	1920
1921	40 8	46 1	83 1	335	365	737	428	230	121	85 4	78 1	5 0	217	1921
1922	45 4	41 3	58 1	331	435	743	389	223	184	102	69 8	4 6	220	1922
1923	45 8	34 6	40 9	187	240	800	901	395	284	159	93 9	76 9	337	1923
1924	44 6	59 3	89 4	228	328	585	527	381	218	142	83 8	89 9	228	1924
1925	61 0	84 9	87 6	896	453	746	487	280	250	244	185	108	304	1925
1926	72 2	76 6	260	286	282	782	425	173	584	487	267	116	284	1926
1927	88 6	75 2	182	711	638	450	010	558	588	482	206	146	509	1927
1928	259	123	284	508	548	180	300	404	238	19	143	73 4	636	1928
1929	82 5	80 1	141	211	345	210	341	151	108	84 3	80 1	36 0	231	1929
1930	65 4	63 9	175	286	378	628	454	217	142	101	101	81 9	224	1930
1931	53 1	89 5	77 0	132	126	283	324	150	128	95 5	58 1	39 1	129	1931
1932	34 5	36 2	80 4	236	445	210	487	185	208	125	81 9	73 5	289	1932
1933	58 2	47 0	63 4	368	493	764	523	182	171	106	184	80 6	260	1933
1934	76 5	117	139	283	564	693	291	116	94 0	106	101	80 3	220	1934
1935	32 2	71 3	97 3	293	285	568	483	289	112	74 5	55 8	56 7	200	1935
1936	32 8	32 0	102	416	424	514	192	89	81 5	52 1	33 4	28 3	163	1936
1937	26 7	31 3	43 7	189	135	504	324	167	83 4	94 7	93 5	84 9	148	1937
1938	46 3	43 3	94 8	352	347	947	633	215	140	112	70 6	52 5	252	1938
1939	42 0	44 5	82 0	311	212	533	637	146	100	88 8	87 4	54 2	192	1939
1940	43 5	43 0	52 3	452	474	407	201	151	138	175	76 6	77 5	191	1940
1941	51 2	56 0	87 5	312	135	239	185	107	142	145	103	87 4	133	1941
1942	46 2	43 0	56 6	175	38.2	010	838	417	285	240	86 0	73 9	306	1942
1943	66 3	70 6	82 5	738	362	811	610	261	122	73 0	79 5	59 9	262	1943
1944	55 1	63 1	71 5	202	93 3	349	287	237	158	87 5	71 8	62 2	146	1944
1945	60 6	67 6	93 6	189	214	792	583	160	122	152	53 4	99 8	214	1945
1946	88 1	80 9	159	286	280	748	488	155	203	155	101	99 9	235	1946
1947	85 6	76 9	326	894	700	774	449	179	214	381	202	124	340	1947
1948	102	78 4	84 4	722	530	890	653	392	178	110	87 8	50 1	474	1948
1949	87 5	59 3	87 9	280	232	436	182	138	72 3	53 8	71 7	43 2	139	1949
1950	48 2	56 1	77 1	331	321	889	693	258	139	83 4	106	85 2	242	1950
1951	85 2	79 8	86 4	620	860	952	140	474	760	494	303	185	506	1951
1952	180	143	110	280	550	854	699	410	250	175	139	80 5	384	1952
1953	82 6	84 8	109	286	593	920	850	373	297	182	127	70 0	406	1953
1954	72 0	91 9	120	337	635	020	762	395	801	412	303	137	423	1954
1955	86 5	105	79 2	623	604	793	733	248	123	147	95 7	89 7	312	1955
1956	88 0	97 3	100	623	412	746	517	297	198	149	136	81 6	285	1956
1957	84 2	82 8	137	351	584	538	233	111	116	109	129	79 3	210	1957
1958	85 6	78 2	86 1	451	435	594	482	242	133	113	102	88 5	239	1958
1959	73 6	90 7	138	321	312	729	592	238	184	191	136	188	263	1959
1960	103	118	126	625	384	484	385	183	86 0	60 6	52 8	55 3	219	1960
1961	74 1	82 9	110	202	200	743	190	150	103	108	135	71 0	179	1961
1962	99 2	114	100	432	261	408	274	157	136	83 6	101	55 4	186	1962
1963	41 6	50 4	199	240	155	384	766	274	165	123	93 8	55 9	210	1963
1964	78 2	77 2	46 4	215	520	902	567	148	91 0	108	113	81 0	264	1964
1965	60 8	41 4	78 5	216	475	815	080	420	288	352	159	145	345	1965
1966	75 2	104	228	526	413	784	562	85 2	36 3	37 3	31 6	36 3	242	1966
1967	288	241	176	239	326	361	422	170	110	44 6	80 7	319	228	1967
1968	386	138	152	48 3	36 2	39 0	42 0	55 5	48 1	172	224	242	131	1968
1969	371	388	357	307	312	306	758	231	184	203	270	342	336	1969
1970	371	326	187	134	130	181	193	184	148	224	222	325	220	1970
1971	348	377	315	259	237	349	140	81 3	84 5	130	245	326	240	1971
1972	321	388	358	309	201	306	453	325	241	215	257	345	304	1972
1973	378	374	228	108	90 8	143	134	115	174	182	221	328	205	1973
1974	327	294	351	346	329	482	294	218	194	151	209	271	289	1974
1975	318	316	229	156	205	588	396	149	116	212	271	303	269	1975
1976	357	319	263	180	81 1	80 2	77 5	215	216	230	212	327	213	1976
1977	354	264	126	74 8	60 2	52 2	48 5	49 2	47 4	52 7	180	216	124	1977
1978	219	175	183	141	55 8	243	166	133	237	230	227	238	187	1978
1979	368	384	306	138	180	186	73 2	77 4	51 2	124	182	193	184	1979
1980	241	384	186	111	86 1	152	141	59 5	97 9	189	256	267	174	1980
1981	318	293	180	177	127	482	384	481	272	227	244	232	286	1981
1982	354	318	260	191	99 2	57 6	62 4	104	120	183	206	276	183	1982
1983	333	322	217	137	128	88 1	71 3	83 3	113	145	136	232	185	1983
1984	201	112	85 4	80 2	51 6	54 9	50 5	51 5	53 4	47 9	113	104	84 5	1984
1985	103	113	86 8	76 0	117	89 6	46 2	49 8	47 5	51 8	145	222	81 5	1985
1986	248	250	187	71 4	76 2	217	189	181	148	317	271	274	202	1986
MEAN	133	127	140	330	352	644	501	253	205	189	142	129	259	MEAN

LOCATION - LAT 52 08 26 N DRAINAGE AREA 141 000 km²
LONG 106 38 40 W REGULATED

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1911					1911
1912	650 AT 01 00 CST ON JUL 17	420 ON JUL 19	38 28 ON JAN 5	11 400 000	1912
1913		210 ON JUL 6	32 08 ON JAN 10	9 820 000	1913
1914		994 ON JUN 25	44 58 ON DEC 24	8 700 000	1914
1915	? 230 ON JUL 3	? 160 ON JUL 2	80 99 ON FEB 1	15 900 000	1915
1916		2 630 ON JUL 4	53 89 ON JAN 28	18 400 000	1916
1917	? 040 ON JUN 9	1 970 ON JUN 9	38 28 ON DEC 23	12 800 000	1917
1918		180 ON JUN 22	42 28 ON JAN 1	7 490 000	1918
1919		980 ON JUN 5	32 08 ON DEC 11	5 810 000	1919
1920		780 ON MAY 14	21 78 ON DEC 28	10 700 000	1920
1921		4208 ON APR 15	24 69 ON JAN 1	6 840 000	1921
1922	1 080 AT 18 00 CST ON JUN 13	1 070 ON JUN 13	30 38 ON DEC 23	6 950 000	1922
1923	3 850 AT 03 00 CST ON JUN 7	1 170 ON JUN 7	30 69 ON FEB 20	10 800 000	1923
1924		800 ON JUN 24	39 99 ON JAN 10	7 220 000	1924
1925		3808 ON APR 5	42 29 ON JAN 2	9 580 000	1925
1926		150 ON SEP 19	85 19 ON JAN 9	8 330 000	1926
1927		2 330 ON JUN 17	82 39 ON JAN 23	16 000 000	1927
1928		2 480 ON JUL 7	85 19 ON DEC 8	13 800 000	1928
1929	3 280 AT 14 30 CST ON JUN 9	3 080 ON JUN 9	15 89 ON DEC 21	7 300 000	1929
1930		855 ON JUN 19	22 19 ON JAN 25	7 070 000	1930
1931		583 ON JUN 29	30 08 ON JAN 25	4 080 000	1931
1932	3 200 ON JUN 8	3 140 ON JUN 8	25 28 ON FEB 3	8 510 000	1932
1933	1 080 ON JUN 25	1 080 ON JUN 25	39 18 ON FEB 22	7 800 000	1933
1934		1 140 ON JUN 15	39 18 ON DEC 29	6 850 000	1934
1935		793 ON JUN 28	26 58 ON JAN 2	5 310 000	1935
1936		8818 ON APR 18	14 28 ON DEC 12 *	5 140 000	1936
1937		1 110 ON JUN 21	17 58 ON FEB 16	4 680 000	1937
1938		1 380 ON JUN 3	27 88 ON MAR 3	7 830 000	1938
1939		1 420 ON JUN 24	28 68 ON FEB 17	8 080 000	1939
1940	1 640 AT 19 00 CST ON APR 22	1 570 ON APR 22	32 3 ON NOV 9	5 080 000	1940
1941		9268 ON APR 7	39 18 ON NOV 24	4 210 000	1941
1942	1 840 AT 20 00 CST ON JUN 12	1 820 ON JUN 13	27 28 ON FEB 26	9 850 000	1942
1943		1 280 ON APR 9	48 4 ON DEC 7	8 240 000	1943
1944		831 ON JUN 25	35 1 ON DEC 1	4 800 000	1944
1945		1 170 ON JUN 14	27 08 ON NOV 20	5 730 000	1945
1946	1 080 AT 20 45 CST ON JUN 15	1 050 ON JUN 15	45 98 ON NOV 18	7 410 000	1946
1947		8508 ON MAR 28	36 88 ON FEB 17	10 700 000	1947
1948		2 7008 ON APR 24	47 68 ON DEC 24	15 000 000	1948
1949		541 ON JUN 11	16 8 ON DEC 16	4 400 000	1949
1950					
1951	1 610 AT 19 00 CST ON JUL 1	1 270 ON APR 18	32 88 ON JAN 7	7 620 000	1950
1952		1 540 ON JUL 1	83 48 ON JAN 20	15 900 000	1951
1953	4 190 AT 02 00 CST ON JUN 15 *	2 420 ON APR 10	52 78 ON NOV 27	12 200 000	1952
1954		3 940 ON JUN 15 *	44 58 ON JAN 29	12 800 000	1953
		1 530 ON SEP 2	50 48 ON JAN 20	13 400 000	1954
1955		2 1808 ON APR 10	35 18 ON DEC 1	9 840 000	1955
1956		1 1908 ON APR 15	25 58 ON DEC 22	9 000 000	1956
1957		855 ON MAY 30	22 78 ON JAN 28	6 630 000	1957
1958		8528 ON APR 17	25 58 ON DEC 25	7 530 000	1958
1959	1 330 AT 20 00 CST ON JUL 5	1 250 ON JUL 5	45 68 ON JAN 22	8 310 000	1959
1960		1 120 ON APR 3	22 4 ON NOV 9	6 920 000	1960
1961	1 080 AT 13 00 CST ON JUN 4	1 070 ON JUN 4	30 08 ON FEB 16	5 840 000	1961
1962	861 AT 03 00 CST ON APR 16	8184 ON APR 16	36 0 ON NOV 19	5 860 000	1962
1963	1 580A AT 08 00 CST ON JUL 8	1 540A ON JUL 8	25 88 ON JAN 30	6 830 000	1963
1964	1 430 AT 12 00 CST ON JUN 18	1 420 ON JUN 18	27 48 ON MAR 7	7 710 000	1964
1965		1 630E ON JUN 27	32 68 ON FEB 4	10 800 000	1965
1966	1 380 AT 18 30 CST ON JUN 13	1 280 ON JUN 13	23 4 ON NOV 6	7 650 000	1966
1967		583 ON APR 30	32 6 ON JAN 8	7 190 000	1967
1968	803 AT 06 00 CST ON JAN 10	595 ON JAN 9	28 1 ON MAY 3	4 140 000	1968
1969	1 790 AT 15 45 CST ON JUL 8	1 780 ON JUL 6	150 ON JUN 30	10 600 000	1969
1970	4398 AT 11 52 CST ON NOV 30	3988 ON NOV 30	57 8 ON JUN 16	6 840 000	1970
1971		430 ON JUN 8	58 6 ON APR 27	7 570 000	1971
1972	801E AT 11 06 CST ON JUL 5	778E ON JUL 5	140 ON DEC 4	9 800 000	1972
1973	493 AT 07 08 CST ON DEC 13	439 ON DEC 13	42.5E ON MAR 23	6 480 000	1973
1974	847 AT 23 25 CST ON JUN 25	838 ON JUN 25	119 ON OCT 29	9 110 000	1974
1975	1 970 AT 17 50 CST ON JUN 26	1 800 ON JUN 26	92 3 ON SEP 26	8 490 000	1975
1976	425 AT 12 04 CST ON AUG 14	419 ON AUG 14	47.6 ON MAY 25	6 740 000	1976
1977		3988 ON FEB 1	41 1 ON MAY 15	3 910 000	1977
1978	405 AT 10 51 CST ON SEP 21	405 ON SEP 21	40.2 ON MAY 15	5 900 000	1978
1979	4488 AT 23 58 CST ON JAN 19	4348 ON JAN 20	47.0 ON SEP 17	5 800 000	1979
1980		3728 ON FEB 21	49 5 ON MAY 21	5 490 000	1980
1981	885 AT 20 25 CST ON AUG 9	685 ON AUG 10	48 2 ON MAY 22	9 030 000	1981
1982		4218 ON JAN 19	50.5 ON JUN 20	5 780 000	1982
1983		3788 ON JAN 29	57.3A ON AUG 8	5 200 000	1983
1984		2508 ON JAN 15	30.7 ON OCT 30	2 670 000	1984
1985		3258 ON DEC 4	25.3 ON NOV 8	2 880 000	1985
1986	402 AT 22 31 CST ON OCT 20	400 ON OCT 21	44.6 ON APR 14	6 380 000	1986
				8 180 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	483	242	128	110	115	76.6	---	1958
1959	82.0	99.5	134	305	268	686	595	233	159	191	96.6	136	251	1959
1960	89.6	97.8	113	555	350	453	370	193	87.1	57.1	69.2	55.2	207	1960
1961	66.2	58.6	82.2	151	173	716	198	148	106	109	148	62.4	188	1961
1962	79.6	91.4	89.8	367	248	364	263	146	126	75.0	116	53.3	168	1962
1963	40.1	43.2	143	235	146	358	669	271	165	121	96.7	64.5	197	1963
1964	77.4	79.2	54.7	241	449	822	563	149	90.0	104	132	58.3	235	1964
1965	55.5	40.1	84.9	203	463	780	1 070	429	279	346	210	143	340	1965
1966	71.8	80.2	220	518	391	780	573	81.9	30.4	31.4	27.8	31.1	237	1966
1967	229	228	176	225	338	354	418	167	119	51.5	48.6	285	220	1967
1968	356	121	153	70.6	34.8	37.8	39.9	60.6	47.9	188	218	225	128	1968
1969	362	387	353	316	315	312	788	230	192	211	258	292	335	1969
1970	335	276	173	127	131	198	195	200	146	219	221	327	212	1970
1971	335	370	291	280	235	357	144	80.1	81.4	132	218	319	236	1971
1972	335	299	329	321	195	312	445	334	251	216	280	335	303	1972
1973	341	313	220	131	87.9	151	140	115	165	150	184	238	186	1973
1974	248	264	287	368	347	462	293	212	184	138	195	261	271	1974
1975	321	310	254	233	205	548	396	144	115	205	245	279	271	1975
1976	356	331	257	184	92.2	81.8	76.5	223	227	236	289	325	223	1976
1977	325	269	134	101	85.0	54.5	53.7	50.8	51.0	52.7	148	200	125	1977
1978	170	152	180	183	53.8	264	184	148	241	234	230	221	187	1978
1979	305	313	268	163	156	195	74.9	81.7	55.6	122	143	177	171	1979
1980	226	353	215	131	70.1	138	142	51.8	89.7	158	257	281	175	1980
1981	286	289	175	179	116	488	339	445	268	221	234	200	269	1981
1982	351	322	246	191	104	85.2	80.9	94.1	114	157	213	276	182	1982
1983	320	290	205	140	122	87.6	72.4	83.9	113	152	128	217	159	1983
1984	179	101	88.2	77.3	56.1	54.1	48.8	51.8	55.8	51.8	105	88.8	79.8	1984
1985	108	116	61.5	74.7	105	77.1	48.1	51.8	55.5	55.2	113	241	82.8	1985
1986	238	241	187	73.8	82.0	196	144	183	149	302	275	247	193	1986
MEAN	225	212	184	219	194	334	307	169	134	151	172	197	208	MEAN

LOCATION - LAT 52 55 25 N DRAINAGE AREA, 148 000 km²
LONG 105 48 20 W REGULATED

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HH001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1958	---	---	---	---	1958
1959	---	1 170 ON JUL 6	36.28 ON NOV 8	7 920 000	1959
1960	---	1 030 ON APR 4	37.48 ON DEC 14	6 550 000	1960
1961	1 020 AT 08:00 CST ON JUN 5	1 000 ON JUN 5	32.68 ON DEC 13	5 300 000	1961
1962	---	714B ON APR 17	27.68 ON DEC 10	5 300 000	1962
1963	1 350 AT 19:00 CST ON JUL 8	1 280 ON JUL 9	15.3B ON FEB 2 *	6 220 000	1963
1964	1 260 AT 24:00 CST ON JUN 20	1 260 ON JUN 20	32.3B ON MAR 11	7 430 000	1964
1965	---	1 450 ON JUN 28	28.3B ON JAN 18	10 700 000	1965
1966	1 230 AT 04:00 CST ON JUN 14	1 210 ON JUN 14	18.0B ON NOV 5	7 480 000	1966
1967	---	800 ON JUL 24	28.0B ON JAN 10	6 950 000	1967
1968	---	544B ON JAN 5	23.0A ON MAY 2	4 050 000	1968
1969	---	1 730 ON JUL 7	140 ON JUN 25	10 800 000	1969
1970	---	422B ON JAN 8	50.4B ON APR 30	6 700 000	1970
1971	439 AT 10:12 CST ON JUN 10	436 ON JUN 10	80.3 ON SEP 6	7 430 000	1971
1972	833 AT 01:09 CST ON JUL 6	770 ON JUL 6	123 ON MAY 3	9 580 000	1972
1973	---	365B ON JAN 15	58.3B ON MAR 27	5 850 000	1973
1974	---	810A ON JUN 28	102 ON OCT 30	8 580 000	1974
1975	1 930 AT 10:46 CST ON JUN 27 *	1 880 ON JUN 27 *	92.9 ON SEP 17	8 540 000	1975
1976	---	462B ON DEC 16	50.7 ON MAY 30	7 050 000	1976
1977	405B AT 21:03 CST ON FEB 2	402B ON FEB 2	45.3 ON AUG 25	3 930 000	1977
1978	436 AT 17:20 CST ON JUN 21	436 ON JUN 18	38.8 ON MAY 17	5 890 000	1978
1979	383B AT 02:27 CST ON JAN 21	378B ON JAN 21	48.6 ON SEP 19	5 380 000	1979
1980	---	388B ON FEB 19	41.5 ON AUG 23	5 540 000	1980
1981	636 AT 22:57 CST ON AUG 4	632 ON AUG 5	49.7B ON MAR 24	8 480 000	1981
1982	431B AT 04:48 CST ON JAN 20	429B ON JAN 20	51.4 ON JUL 1	5 750 000	1982
1983	391B AT 11:20 CST ON JAN 7	387B ON JAN 7	56.3 ON JUN 8	5 010 000	1983
1984	230B AT 20:03 CST ON JAN 15	222B ON JAN 1	36.9B ON NOV 2	2 520 000	1984
1985	321B AT 08:37 CST ON DEC 5	319B ON DEC 5	41.2 ON JUL 11	2 820 000	1985
1986	405 AT 04:14 CST ON OCT 22	403 ON OCT 22	56.0B ON APR 15	6 090 000	1986
				6 560 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	520	44.7	---	---	---	---	---	1965
1966	---	---	---	---	37.1	35.1	41.8	48.5	45.3	195	231	275	---	1966
1969	358	388	334	294	328	305	804	237	199	203	255	333	335	1969
MEAN	358	388	334	294	183	170	455	110	122	199	243	304	335	MEAN

LOCATION - LAT 51 19 20 N DRAINAGE AREA, 135 000 km²
LONG 106 57 19 W REGULATED SINCE 1964

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1988	---	---	---	---	1988
1989	1 980 AT 07:34 MST ON JUL 5 *	1 880 ON JUL 4 *	93.28 ON JAN 10 *	10 800 000	1989
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 500 000	MEAN

SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD - STATION NO. 05HB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	---	127	139	107	---	1958
1959	74.9	97.6	182	234	375	742	524	224	158	185	145	142	258	1959
1960	103	115	246	426	403	451	348	178	85.2	60.3	73.8	74.8	212	1960
1961	76.6	70.5	116	134	322	703	180	157	89.9	135	120	93.2	182	1961
1962	95.7	121	120	356	282	405	244	148	146	88.6	107	85.9	181	1962
1963	56.5	73.1	185	175	166	482	864	249	186	130	93.3	85.9	210	1963
1964	83.9	93.4	101	185	551	975	480	134	83.9	128	116	84.0	249	1964
1965	102	105	155	500	385	951	1 030	328	314	333	194	149	381	1965
1966	102	118	278	412	411	775	556	241	189	138	105	107	285	1966
1967	86.2	107	185	460	780	1 520	581	193	117	98.8	112	93.1	360	1967
1968	92.4	99.4	152	134	181	595	299	206	225	260	171	89.8	207	1968
1969	100	95.6	157	513	519	841	1 030	262	140	123	114	80.4	325	1969
1970	85.5	85.7	104	268	352	810	417	154	88.7	110	113	74.8	220	1970
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	1975
MEAN	86.7	98.4	163	323	385	754	528	208	148	147	123	93.0	256	MEAN

LOCATION - LAT 51 01 20 N
LONG 109 07 30 W
DRAINAGE AREA, 119 000 km^2
REGULATED

SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD - STATION NO. 05HB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	---	1 250 ON JUL 1	43.88 ON JAN 14	8 140 000	1959
1960	---	1 190 ON MAR 30	46.24 ON OCT 12	5 700 000	1960
1961	1 130 AT 17:00 CST ON MAY 31	1 100 ON MAY 31	26.38 ON FEB 3	5 720 000	1961
1962	493 AT 17:00 CST ON JUN 24	487 ON JUN 21	23.28 ON DEC 27 *	5 720 000	1962
1963	1 770 AT 06:30 CST ON JUL 4	1 680 ON JUL 4	29.48 ON NOV 21	6 620 000	1963
1964	1 810 AT 08:00 CST ON JUN 13	1 800 ON JUN 13	40.89 ON DEC 3	7 890 000	1964
1965	1 980 AT 04:00 CST ON JUN 23	1 890 ON JUN 23	76.28 ON DEC 31	12 000 000	1965
1966	1 280 AT 01:00 CST ON JUN 9	1 220 ON JUN 8	48.78 ON JAN 7	8 980 000	1966
1967	2 510 AT 19:30 CST ON JUN 4	2 440 ON JUN 4	47.98 ON DEC 29	11 400 000	1967
1968	878 AT 09:00 CST ON JUN 13	875 ON JUN 13	37.98 ON DEC 15	5 540 000	1968
1969	2 200 AT 11:00 CST ON JUL 3	2 180 ON JUL 3	48.48 ON DEC 14	10 200 000	1969
1970	1 900 AT 00:30 CST ON JUN 21	1 820 ON JUN 21	34.38 ON DEC 2	5 950 000	1970
1975	2 940 AT 11:11 CST ON JUN 24 *	2 890 ON JUN 24 *	---	---	1975
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	8 070 000	MEAN

SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK - STATION NO. 05HF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	782	471	210	250	331	---	---	---	1947
1948	---	---	---	---	1 550	1 710	849	403	178	104	---	---	---	1948
1949	---	---	---	255	232	423	181	140	65.4	45.6	---	---	---	1949
1950	---	---	---	---	339	717	857	328	166	131	---	---	---	1950
1951	---	---	---	557	886	995	1 140	523	763	483	---	---	---	1951
1952	---	---	---	1 210	569	897	873	404	239	184	---	---	---	1952
1953	---	---	---	---	616	1 790	856	369	251	152	---	---	---	1953
1954	---	---	---	---	676	998	720	416	750	374	277	---	---	1954
1955	---	---	---	---	597	736	882	255	148	184	---	---	---	1955
1956	---	---	---	---	484	784	551	313	226	181	---	---	---	1956
1957	---	---	---	---	659	612	275	135	140	151	---	---	---	1957
1958	---	---	---	---	505	657	527	257	155	142	---	---	---	1958
1959	---	---	---	321	352	759	624	285	194	205	---	---	---	1959
1960	---	---	---	---	537	418	438	390	208	97.4	89.7	---	---	1960
1961	---	---	---	200	243	774	194	180	103	118	---	---	---	1961
1962	---	---	---	---	307	397	267	158	140	85.8	---	---	---	1962
1963	---	---	---	---	157	421	689	270	175	128	---	---	---	1963
1964	---	---	---	---	566	984	578	153	86.2	125	---	---	---	1964
1965	---	---	---	---	506	936	1 170	396	271	312	---	---	---	1965
1966	---	---	---	504	391	837	575	52.9	32.0	31.2	---	---	---	1966
MEAN	---	---	---	512	529	825	593	271	221	175	277	---	---	MEAN

LOCATION - LAT 51 28 25 N
LONG 107 04 40 W
DRAINAGE AREA, 136 000 km^2
REGULATED

SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK - STATION NO. 05HF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	944 ON JUN 9	---	---	1949
1950	---	---	---	---	1950
1951	---	1 800 ON JUN 30	---	---	1951
1952	---	2 330 ON APR 11 *	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	1 330 ON JUL 4	---	---	1959
1960	---	1 190 ON APR 1	---	---	1960
1961	---	1 130 ON JUN 3	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	1 500 ON JUN 12	---	---	1966
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

SPANGLER DITCH NEAR ADAMS CREEK - STATION NO. 11AB016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0.049	0.058	0.002	0	0	---	---	0.014	1912
1913	---	---	0	0	0.013	0.031	0.003	0	0	0	---	---	0.006	1913
1914	---	---	0	0	0.020	0.050	0.001	0	0	0	---	---	0.009	1914
1915	---	---	0	0	0.005	0	0.041	0.001	0	0	---	---	0.005	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0.032	0.101	0.009	0	0	---	---	0.012	1917
1918	---	---	0	0	0	0.011	0.004	0	0.003	0.013	0.013	---	0.004	1918
1919	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1919
1921	---	---	0	0.016	0.008	0	0.010	0	0	0	---	---	0.004	1921
1922	---	---	0	0	0.004	0.033	0.005	0	0	0	---	---	0.004	1922
1923	---	---	0	0	0	0.033	0.002	0	0	0.001	---	---	0.004	1923
1924	---	---	0	0.004	0.005	0.009	0	0	0	0	---	---	0.002	1924
1925	---	---	0	0	0.015	0.040	0	0	0	0	---	---	0.007	1925
1926	---	---	0	0	0.028	0.004	0	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0.010	0.015	0	0	---	---	0.003	1927
1928	---	---	0	0	0.002	0.008	0	0	0	0	---	---	0.001	1928
1929	---	---	0	0	0	0.027	0.012	0	0	0	---	---	0.005	1929
1930	---	---	0	0	0.005	0.027	0.003	0	0	0	---	---	0.004	1930
MEAN	---	---	0	0.001	0.005	0.019	0.014	0.002	0	0.001	0.013	---	0.005	MEAN

LOCATION - LAT 49 32 00 N
LONG 105 47 00 W REGULATED

SPANGLER DITCH NEAR ADAMS CREEK - STATION NO. 11AB016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0.091 ON JUN 15	0 ON MAR 1 *	286	1912
1913	---	0.082 ON JUN 4	0 ON MAR 1	125	1913
1914	---	0.142 ON JUN 6	0 ON MAR 1	187	1914
1915	---	0.136 ON JUL 8	0 ON MAR 1	139	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0.187 ON JUL 5 *	0 ON MAR 1	377	1917
1918	---	0.038 ON JUN 28	0 ON MAR 1	81.1	1918
1919	---	0.033 ON APR 23	0 ON MAR 1	13.4	1919
1921	---	0.034 ON APR 15	0 ON MAR 1	87.9	1921
1922	---	0.040 ON JUN 15	0 ON MAR 1	83.0	1922
1923	---	0.071 ON JUN 20	0 ON MAR 1	93.3	1923
1924	---	0.038 ON MAY 30	0 ON MAR 1	48.8	1924
1925	---	0.071 ON JUN 10	0 ON MAR 1	147	1925
1926	---	0.042 ON MAY 4	0 ON MAR 1	84.6	1926
1927	---	0.048 ON JUL 25	0 ON MAR 1	85.8	1927
1928	---	0.023 ON JUN 7	0 ON MAR 1	37.3	1928
1929	---	0.048 ON JUN 12	0 ON MAR 1	101	1929
1930	---	0.038 ON MAY 26	0 ON MAR 1	80.2	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		113	MEAN

SPANGLER DITCH NEAR GOVENLOCK - STATION NO 11489080

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0	0	0	---	---	---	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	---	0	0	0	0	0	---	---	---	1919
1920	---	---	0	0	0	---	---	0	0	0	---	---	---	1920
1922	---	---	0	0	0.052	0.011	0	0	0	0	---	---	0.008	1922
1924	---	---	0	0	0.008	0.010	0	0	0	0	---	---	0.002	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0.030	0	0	0	0	0	---	---	0.004	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0.014	0.026	0.007	0	0	0	0	---	---	0.006	1929
1930	---	---	0	0.009	0.026	0	0	0	0	0	---	---	0.005	1930
1931	---	---	0	0	0.113	0.020	0	0	0	0	---	---	0.017	1931
1950	---	---	0	0.726	0.042	0	0	0	0	0	---	---	0.094	1950
1951	---	---	0	0.463	0.055	0.022	0	0.055	0.005	0	---	---	0.083	1951
1952	---	---	0	0.179	0.136	0.001	0	0	0	0	---	---	0.035	1952
1953	---	---	0.017	0.281	0.041	0.003	0.012	0	0	0	---	---	0.044	1953
1954	---	---	0	0.584	0.146	0.072	0.005	0.035	0.006	0.008	---	---	0.102	1954
1955	---	---	0.032	0.422	0.020	0	0.245	0	0.138	0	---	---	0.106	1955
1956	---	---	0.063	0.405	0.084	0.004	0.138	0.179	0.001	0.125	---	---	0.119	1956
1957	---	---	0.041	0.473	0.105	0	0.180	0.307	0.015	0.078	---	---	0.147	1957
1958	---	---	0.117	0.457	0.008	0	0.031	0.404	0	0	---	---	0.127	1958
1959	---	---	0.332	0.613	0.025	0	0	0	0	0	---	---	0.101	1959
1960	---	---	0.136	0.631	0.050	0	0	0	0	0	---	---	0.080	1960
1961	---	---	0	0	0.198	0.111	0.115	0	0	0	---	---	0.053	1961
1962	---	---	0	0	0	0	0.480	0.091	0	0	---	---	0.074	1962
1963	---	---	0	0.095	0.185	0.297	0.325	0.055	0.183	0.110	---	---	0.151	1963
1964	---	---	0	0.177	0.383	0.315	0.170	0.297	0	0	---	---	0.184	1964
1965	---	---	0	0	0.479	0.138	0.002	0	0	0	---	---	0.078	1965
1966	---	---	0	0.514	0.085	0.414	0	0.480	0	0	---	---	0.186	1966
1967	---	---	0	0	0.431	0.708	0.395	0.135	0	0	---	---	0.208	1967
1968	---	---	0	0	0.465	0.438	0.078	0.320	0	0	---	---	0.159	1968
1969	---	---	0	0.183	0.274	0.499	0	0.471	0	0	---	---	0.170	1969
1970	---	---	0	0	0.488	0.087	0.045	0.384	0	0	---	---	0.122	1970
1971	---	---	0	0.095	0.576	0.127	0.502	0.073	0	0	---	---	0.173	1971
1972	---	---	0.034	0.211	0.479	0.388	0.502	0.117	0	0	---	---	0.216	1972
1973	---	---	0	0	0.482	0.070	0.116	0.000	0	0	---	---	0.122	1972
1974	---	---	0	0	0.286	0.342	0.310	0.277	0.004	0	---	---	0.103	1974
1975	---	---	0	0	0.237	0.435	0.124	0.231	0	0	---	---	0.126	1975
1976	---	---	0	0	0.408	0	0.238	0.102	0	0	---	---	0.085	1976
1977	---	---	0	0	0.346	0.041	0.580	0.004	0	0	---	---	0.126	1977
1978	---	---	0	0	0	0.435	0.035	0.384	0.001	0	---	---	0.114	1978
1979	---	---	0	0	0.171	0.678	0.184	0.155	0.001	0	---	---	0.138	1979
1980	---	---	0	0	0.610	0	0.343	0.008	0.002	0	---	---	0.122	1980
1981	---	---	0	0	0.354	0.188	0	0.001	0	0	---	---	0.065	1981
1982	---	---	0	0.101	0.050	0.393	0.295	0.180	0	0	---	---	0.135	1982
1983	---	---	0	0.245	0.191	0.384	0.188	0.187	0	0	---	---	0.150	1983
1984	---	---	0	0	0.312	0	0	0	0	0	---	---	0.039	1984
1985	---	---	0	0	0.642	0	0.295	0	0	0	---	---	0.119	1985
1986	---	---	0.345	0	0.260	0.180	0.272	0.035	0.049	0	---	---	0.147	1986
MEAN	---	---	0.031	0.133	0.187	0.138	0.130	0.095	0.007	0.008	---	---	0.092	MEAN

LOCATION - LAT 49 09 15 N
LONG 100 54 58 W REGULATED

INTERNATIONAL GAUGING STATION

SPANGLER DITCH NEAR GOVERNLOCK - STATION NO. 11489000

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	0 ON MAR 1	0 ON MAR 1 *	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1922	---	0.249 ON MAY 18	0 ON MAR 1	189	1922
1924	---	0.0102 ON JUN 1	0 ON MAR 1	93.0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0.115 ON MAY 23	0 ON MAR 1	80.8	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0.0283 ON MAY 1	0 ON MAR 1	120	1929
1930	---	0.170 ON MAY 1	0 ON MAR 1	97.0	1930
1931	---	0.192 ON MAY 18	0 ON MAR 1	381	1931
1950	---	1.84 ON APR 22 *	0 ON MAR 1	1 990	1950
1951	---	1.50 ON APR 10	0E ON MAR 1	1 770	1951
1952	---	0.9349 ON APR 3	0E ON MAR 1	830	1952
1953	---	0.894 ON APR 25	0 ON MAR 1	1 380	1953
1954	---	1.03 ON APR 15	0 ON MAR 1	2 170	1954
1955	---	1.14 ON APR 19	0 ON MAR 1	2 240	1955
1956	---	1.03 ON APR 11	0E ON MAR 1	2 520	1956
1957	---	1.25 E ON APR 1	0E ON MAR 1	3 130	1957
1958	---	1.40 ON MAR 31	0E ON MAR 1	3 380	1958
1959	---	1.32 ON APR 3	0 ON MAR 1	2 280	1959
1960	---	0.708 ON APR 24	0E ON MAR 1	1 680	1960
1961	---	0.510 ON JUL 6	0 ON MAR 1	1 130	1961
1962	---	1.23 ON JUL 13	0 ON MAR 1	1 930	1962
1963	---	1.48 ON JUL 25	0 ON MAR 1	3 200	1963
1964	---	1.41 ON MAY 31	0 ON MAR 1	3 470	1964
1965	---	1.40 ON JUN 28	0 ON MAR 1	1 640	1965
1966	---	1.55 ON JUN 8	0 ON MAR 1	3 840	1966
1967	---	1.75 ON JUN 14	0 ON MAR 1	4 420	1967
1968	---	1.37 ON MAY 3	0 ON MAR 1	3 270	1968
1969	---	1.38 ON AUG 13	0 ON MAR 1	3 780	1969
1970	---	1.56 ON MAY 23	0 ON MAR 1	3 600	1970
1971	---	1.34 ON JUL 27	0 ON MAR 1	3 490	1971
1972	---	1.35 ON JUL 29	0E ON MAR 1	4 530	1972
1973	---	1.36 ON MAY 25	0 ON MAR 1	3 690	1973
1974	---	1.14 ON JUL 24	0 ON MAR 1	3 230	1974
1975	---	1.13 ON JUL 30	0 ON MAR 1	3 720	1975
1976	---	1.33 ON MAY 20	0 ON MAR 1	3 000	1976
1977	---	1.50 ON MAY 27	0 ON MAR 1	3 630	1977
1978	---	1.37 ON AUG 1	0 ON MAR 1	3 410	1978
1979	---	1.17 ON JUN 5	0 ON MAR 1	3 670	1979
1980	---	1.38 ON MAY 13	0 ON MAR 1	3 570	1980
1981	---	1.09 ON MAY 29	0 ON MAR 1	1 380	1981
1982	---	1.36 ON APR 30	0 ON MAR 1	3 680	1982
1983	---	1.31 ON APR 27	0 ON MAR 1	3 170	1983
1984	---	1.08 ON MAY 11	0 ON MAR 1	834	1984
1985	---	1.43 ON JUL 9	0 ON MAR 1	3 510	1985
1986	---	1.37 ON MAY 31	0 ON MAR 1	3 120	1986
				1 990	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPIRIT CREEK NEAR BUCHANAN - STATION NO 05MB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	...	...	...	2.98	5.53	2.05	...	...	...	...	...	...	...	1957
1958	...	...	0.110	0.388	...	...	...	...	...	...	...	...	...	1958
1959	...	...	0.108	0.310	...	...	...	...	...	...	...	...	...	1959
1960	...	...	0.085	1.79	0.181	...	...	...	...	...	...	...	...	1960
1961	...	...	...	0	...	...	...	...	...	...	...	...	...	1961
1962	...	...	...	1.18	0.117	...	...	...	...	...	...	...	...	1962
1963	...	...	0.051	0.026	...	...	...	...	...	...	...	...	...	1963
1964	...	...	...	0.300	0.031	...	...	...	...	...	...	...	...	1964
1965	...	...	0	0.760	0.071	0.095	0.041	0	0	0.010	...	...	0.120	1965
1966	...	...	0	2.34	0.470	0.014	0.002	0.018	0.003	0	...	...	0.339	1966
1967	...	...	0	1.10	1.23	0.018	0	0	0	0	...	...	0.293	1967
1968	...	...	0.291	0.140	0.010	0.002	0	0	0	0	...	...	0.066	1968
1969	0	0	0	0.073	0.006	0.002	0.019	0.002	0	0	0	0	0.123	1969
1970	0	0	0	0.088	0.317	0.003	0.002	0	0	0	0	0	0.159	1970
1971	0	0	0	2.81	0.026	0.008	0	0.001	0	0	0	0	0.324	1971
1972	...	...	0	4.11	0.434	0.001	0	0	0	0	...	...	0.558	1972
1973	...	...	0.075	0.119	0.026	0.170	0.026	0	0	0	...	...	0.051	1973
1974	...	...	0	3.11	2.16	0.266	0.001	0	0	0	...	...	0.667	1974
1975	...	...	0	3.04	1.11	0.023	0	0	0	0	...	...	0.515	1975
1976	...	...	0	4.72	0.048	0.146	0.027	0	0	0	...	...	0.605	1976
1977	...	...	0	0.621	0.002	0	0	0	0	0	...	...	0.084	1977
1978	...	...	0	0.632	0.015	0.003	0.146	0	0	0	...	...	0.086	1978
1979	...	...	0	3.77	1.61	0.065	0.001	0	0	0	...	...	0.651	1979
1980	...	...	0	1.33	0.002	0	0	0	0	0	...	...	0.183	1980
1981	...	...	0.092	0.002	0	0	0.007	0	0	0.006	...	...	0.014	1981
1982	...	...	0.023	0.580	0.003	0	0.001	0	0	0	...	...	0.074	1982
1983	...	...	0	1.81	0.317	0.020	0.021	0.002	0.001	0	...	...	0.257	1983
1984	...	...	0.886	0.670	0.021	0.093	0.010	0	0.001	0.001	...	...	0.180	1984
1985	...	...	0	4.56	0.126	0.001	0	0	0	0	...	...	0.574	1985
1986	...	...	0.717	1.98	0.018	0	0.004	0.018	0	0	...	...	0.339	1986
MEAN	0	0	0.086	1.83	0.530	0.130	0.014	0.002	0	0.001	0	0	0.285	MEAN

LOCATION - LAT 51 42 30 N DRAINAGE AREA 259 km^2
LONG 102 46 21 W REGULATED

SPIRIT CREEK NEAR BUCHANAN - STATION NO 05MB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	...	...	...	...	1957
1958	...	1.64 ON APR 1	0E ON MAR 1 *	...	1958
1959	...	0.620 ON APR 2	0E ON MAR 1	...	1959
1960	...	5.69 ON APR 15	0E ON MAR 1	...	1960
1961	...	...	...	...	1961
1962	...	...	...	...	1962
1963	...	0.396 ON MAR 27	0E ON MAR 1	...	1963
1964	...	...	...	...	1964
1965	...	2.75 ON APR 12	0B ON MAR 1	2 540	1965
1966	...	8.64 A ON APR 13	0B ON MAR 1	7 170	1966
1967	10.7 AT 22:30 CST ON APR 26	7.02 ON APR 20	0B ON MAR 1	6 210	1967
1968	2.56 A AT 24:00 CST ON MAR 27	2.32 A ON MAR 27	0B ON MAR 1	1 390	1968
1969	10.6 B AT 04:30 CST ON APR 14	7.90 B ON APR 14	0B ON MAR 1	2 800	1969
1970	...	3.86 ON APR 10	0B ON MAR 1	3 370	1970
1971	16.0 B AT 06:56 CST ON APR 16	11.0 B ON APR 15	0B ON MAR 1	6 850	1971
1972	...	16.1 E ON APR 15	0B ON MAR 1	11 800	1972
1973	2.13 AT 11:11 CST ON JUN 4	1.70 ON JUN 4	0B ON MAR 1	1 090	1973
1974	20.7 AT 23:40 CST ON APR 20	18.5 ON APR 21	0B ON MAR 1	14 500	1974
1975	10.7 AT 03:37 CST ON APR 28	9.80 ON APR 29	0B ON MAR 1	10 900	1975
1976	26.6 AT 16:16 CST ON APR 14 *	26.1 ON APR 14 *	0B ON MAR 1	12 600	1976
1977	4.00 B AT 06:34 CST ON APR 10	2.86 B ON APR 10	0B ON MAR 1	1 380	1977
1978	4.06 AT 13:06 CST ON JUL 1	2.04 ON JUL 1	0B ON MAR 1	1 620	1978
1979	23.0 AT 22:06 CST ON APR 23	18.2 ON APR 24	0B ON MAR 1	14 000	1979
1980	10.2 AT 02:24 CST ON APR 14	7.00 ON APR 14	0B ON MAR 1	3 480	1980
1981	0.6500 AT 03:53 CST ON MAR 15	0.478B ON MAR 15	0 ON APR 28	288	1981
1982	2.53 B AT 14:50 CST ON APR 14	2.36 B ON APR 14	0B ON MAR 1	1 570	1982
1983	16.0 B AT 01:04 CST ON APR 22	13.0 B ON APR 23	0B ON MAR 1	5 840	1983
1984	5.00 B AT 01:16 CST ON MAR 25	4.75 B ON MAR 25	0B ON MAR 1	3 620	1984
1985	16.5 AT 00:20 CST ON APR 10	12.0 ON APR 10	0B ON MAR 1	12 100	1985
1986	11.2 B AT 01:30 CST ON APR 2	6.77 B ON APR 2	0B ON MAR 1	7 170	1986
MEAN				6 020	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SPRING CREEK NEAR WYNYARD - STATION NO 05MA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	...	...	...	...	...	...	...	...	0.003	0.008	0.010	0.005	...	1918
MEAN	...	...	...	...	...	...	...	...	0.003	0.008	0.010	0.005	...	MEAN

LOCATION - LAT 51 46 24 N DRAINAGE AREA 57.5 km^2
LONG 104 06 54 W NATURAL FLOW

SPRING NO. 1 NEAR GULL LAKE - STATION NO. 05HA029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	---	0.003	0.001	0.002	0.003	---	---	---	1915
MEAN	---	---	---	---	---	---	0.003	0.001	0.002	0.003	---	---	---	MEAN

LOCATION - LAT 50 02 25 N
LONG 108 25 55 W NATURAL FLOW

SPRING NO. 1 NEAR GULL LAKE - STATION NO. 05HA029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0R 0N JUL 8 *	---	1914
1915	---	---	0 0N JUL 22	---	1915
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1985

SPRING NO. 2 NEAR GULL LAKE - STATION NO. 05HA030

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0.004	0.004	0.002	0.002	---	---	---	---	---	---	---	1915
MEAN	---	---	0.004	0.004	0.002	0.002	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 50 01 54 N
LONG 108 30 32 W NATURAL FLOW

SPRUCE (LITTLE RED) RIVER NEAR PRINCE ALBERT - STATION NO. 05GG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0.674	2.84	1.84	---	---	---	1915
MEAN	---	---	---	---	---	---	---	0.674	2.84	1.84	---	---	---	MEAN

LOCATION - LAT 53 13 17 N DRAINAGE AREA, 1 870 km^2
LONG 105 43 15 W NATURAL FLOW

SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR - STATION NO. 05GG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0.016	0.114	0.143	0.145	0.136	0.137	0.120	0.183	0.025	---	---	1962
1963	---	---	0	0.133	0.136	0.134	0.184	0.097	0.147	0.130	---	---	---	1963
1964	---	---	0.032	0.165	0.152	0.118	0.083	0.112	0.111	0.164	---	---	---	1964
1965	---	---	0.008	0.054	0.146	0.159	0.787	3.75	0.861	0.388	---	---	---	1965
1966	---	---	0.171	2.17	1.86	0.237	1.12	1.13	0.295	R.149	---	---	---	1966
1967	---	---	0.027	0.132	0.380	0.799	0.454	0.209	0.162	C.171	---	---	---	1967
1968	---	---	0.015	0.531	0.524	0.795	0.189	0.197	0.212	0.905	0.700	0.415	---	1968
1969	0.519	0.434	0.381	2.79	0.795	0.235	0.187	0.127	0.201	0.548	1.03	0.795	0.605	1969
1970	0.580	0.493	0.466	2.95	2.80	0.664	4.71	0.650	0.412	0.409	0.551	0.620	1.28	1970
1971	0.480	0.387	0.377	1.87	0.284	0.127	2.17	0.668	0.179	0.142	0.038	0.336	0.573	1971
1972	0.525	0.581	0.566	2.22	2.53	0.161	0.158	0.139	0.149	0.123	0.006	0.005	0.594	1972
1973	0.022	0.008	0.495	1.46	3.84	7.08	5.85	2.13	0.519	0.417	2.24	1.29	2.21	1973
1974	1.03	1.42	1.99	4.63	9.20	3.48	5.27	3.06	1.78	1.62	1.11	0.700	3.06	1974
1975	0.634	0.584	0.432	1.45	2.90	2.53	3.08	0.587	0.562	0.480	0.246	0.354	1.17	1975
1976	0.318	0.317	0.344	0.863	0.233	0.240	0.111	0.119	0.152	0.099	0.003	0.003	0.216	1976
1977	0.004	L.002	0.003	0.193	0.295	0.551	0.213	0.167	0.178	0.178	0.016	0.005	0.191	1977
1978	0.004	0.010	C.653	1.75	2.15	1.65	0.535	0.201	0.204	1.05	0.853	0.013	0.763	1978
1979	0.021	0.020	0.937	2.00	4.85	1.81	0.434	0.271	0.222	0.680	0.405	0.008	0.862	1979
1980	0.005	0.007	0.148	1.45	0.284	0.189	0.183	0.181	0.181	1.32	1.02	0.047	0.413	1980
1981	0.017	0.103	C.508	2.41	2.82	0.275	0.146	0.215	0.196	0.185	0.015	0.011	0.561	1981
1982	0.010	0.018	C.055	1.17	1.05	0.230	0.180	0.177	0.308	0.671	0.868	0.323	0.422	1982
1983	0.271	0.324	0.831	1.45	3.43	0.280	0.891	0.302	0.349	0.407	0.287	0.385	0.870	1983
1984	0.313	0.276	0.368	1.84	1.98	5.65	0.797	0.240	0.252	0.333	0.829	0.735	1.11	1984
1985	0.404	0.276	0.587	5.32	8.73	2.79	0.567	0.308	0.386	0.240	0.385	0.278	1.85	1985
1986	0.100	0.302	C.285	1.84	1.09	0.389	0.183	0.185	0.152	0.158	0.101	0.049	0.374	1986
MEAN	0.293	0.303	0.384	1.62	2.06	1.22	1.21	0.577	0.331	0.444	0.537	0.334	0.938	MEAN

LOCATION - LAT 53 39 50 N DRAINAGE AREA, 870 km^2
LONG 105 00 30 W REGULATED SINCE 1962

SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR - STATION NO 05GC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0 380 ON APR 30	0 E ON MAY 17 *	---	1962
1963	---	0 227 ON SEP 18	0 E ON MAR 1	---	1963
1964	0 575 AT 09 30 CST ON APR 17	0 487 ON APR 16	---	---	1964
1965	4 90 AT 17 00 CST ON AUG 3	4 59 ON AUG 3	---	---	1965
1966	3 34 AT 17 30 CST ON APR 27	3 31 ON APR 26	---	---	1966
1967	1 32 AT 19 00 CST ON MAY 25	1 18 ON MAY 26	---	---	1967
1968	1 97 AT 19 00 CST ON JUN 6	1 93 ON JUN 7	---	---	1968
1969	6 97 AT 08 30 CST ON APR 21	6 33 ON APR 22	0 002 ON OCT 18	21 000	1969
1970	11 7 AT 22 00 CST ON JUL 6	11 0 ON JUL 7	0 263 ON AUG 30	40 600	1970
1971	---	4 47 ON JUL 21	0 013 ON NOV 3	18 100	1971
1972	---	5 35 ON APR 30	0 003 ON DEC 21	16 800	1972
1973	16 8 AT 16 24 CST ON JUN 11	16 5 ON JUL 6 *	0 003 ON OCT 16	69 600	1973
1974	12 0 AT 07 59 CST ON MAY 1	11 9 ON APR 24	0 549 ON JUN 29	96 300	1974
1975	7 89 AT 13 16 CST ON JUL 3	7 82 ON JUL 4	0 181 ON NOV 4	35 800	1975
1976	2 05 AT 18 15 CST ON MAY 2	1 40 ON APR 17	0 002E ON DEC 2	6 830	1976
1977	2 35 AT 16 17 CST ON MAY 31	2 22 ON JUN 1	0 002E ON FEB 5	4 760	1977
1978	5 01 AT 15 00 CST ON MAY 4	4 93 ON MAY 3	0 003E ON JAN 1	24 100	1978
1979	6 72 AT 19 29 CST ON MAY 22	6 65 ON MAY 23	0 008E ON DEC 16	30 300	1979
1980	3 24 AT 11 22 CST ON APR 18	3 14 ON APR 19	0 005 ON DEC 18	13 100	1980
1981	5 33 AT 20 46 CST ON MAY 2	5 29 ON MAY 2	0 005 ON JAN 1	17 700	1981
1982	2 81 AT 03 56 CST ON APR 30	2 69 ON APR 30	0 0088 ON JAN 3	13 300	1982
1983	4 27 AT 16 02 CST ON APR 29	4 16 ON APR 30	0 078 ON APR 10	21 100	1983
1984	11 4 AT 13 54 CST ON JUN 11	11 0 ON JUN 12	0 176 ON AUG 31	35 200	1984
1985	16 5 AT 13 16 CST ON APR 22 *	16 2 ON APR 22	0 042 ON FEB 14	53 500	1985
1986	3 06 AT 21 16 CST ON APR 26	2 99 ON APR 26	0 029 ON DEC 31	11 800	1986
				28 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO 05GC006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	0 382	0 028	0	0	---	---	---	1961
1962	---	---	0 107	0 823	0 585	0 482	0	0	0	0	---	---	0 223	1962
1963	---	---	0	0 199	0	0	0	0	0	0	---	---	0 119	1963
1964	---	---	0	0 183	0 366	0	0	0	0 199	0 539	0 300	---	0 157	1964
1965	---	---	0	0 300	0 461	0 572	0 426	0 458	0 584	0 577	0 620	0 595	0 409	1965
1966	0 402	---	---	0 556	0 571	0 497	0 332	0 548	0 581	0 581	0 188	---	---	1966
1967	---	---	0	0	0	0 388	0 458	0 213	0	0	---	---	0 132	1967
1968	---	---	0	0	0 574	0 318	0 588	0 489	0	0	---	---	0 245	1968
1969	---	---	0	0	0 084	0 578	0 376	0 611	0 088	0	---	---	0 214	1969
1970	---	---	0	0	0	0 420	0	0	0	0	---	---	0 051	1970
1971	---	---	0	0	0 187	0 575	0 178	0	0	0	---	---	0 116	1971
1972	---	---	0	0	0	0 084	0 180	0 189	0	0	---	---	0 054	1972
1973	---	---	0	0 387	0 538	0	0	0	0	0	---	---	0 119	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0	0	0	0	0	---	---	0	1975
1976	---	---	0	0	0	0	0 001	0 001	0 080	0	---	---	0	1976
1977	---	---	0	0 195	0 512	0 332	0 115	0	0	0	---	---	0 007	1977
1978	---	---	0	0	0 183	0	0 329	0 483	0	0	---	---	0 139	1978
1979	---	---	0	0	0	0	0	0 066	0 042	0	---	---	0 122	1979
1980	---	---	0	0 021	0 539	0 189	0 210	0	0	0	---	---	0 012	1980
1981	---	---	0	0 049	0 545	0 213	0 414	0 578	0 148	0	---	---	0 118	1981
1982	---	---	0	0	0 480	0 298	0	0	0	0	---	---	0 244	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0 098	1983
1984	---	---	0	0	0	0	0 002	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0 233	0 014	0	---	---	0 031	1986
MEAN	0 402	---	0 004	0 084	0 223	0 195	0 184	0 148	0 074	0 085	0 387	0 595	0 109	MEAN

LOCATION - LAT 53 40 20 N
LONG 104 00 00 W
REGULATED

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO 05CC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	0 ON JUL 23 *	---	1981
1982	---	0 891 ON APR 12	0E ON MAR 1	4 730	1982
1983	---	0 643 ON APR 19	0 ON MAR 1	2 530	1983
1984	---	0 848 ON APR 24	0 ON MAR 1	3 330	1984
1985	---	0 874 ON AUG 22	0 ON MAR 1	6 670	1985
1986	---	0 736 ON AUG 28	0E ON APR 19	---	1986
1987	---	0 765 ON JUL 10 *	0 ON MAR 1	2 600	1987
1988	---	0 735 ON MAY 3	0 ON MAR 1	5 180	1988
1989	---	0 830 ON AUG 2	0 ON MAR 1	4 550	1989
1970	---	0 728 ON JUN 28	0 ON MAR 1	1 080	1970
1971	---	0 884 ON JUL 8	0 ON MAR 1	2 480	1971
1972	---	0 558 ON JUL 22	0 ON MAR 1	1 180	1972
1973	---	0 605 ON APR 19	0 ON MAR 1	3 470	1973
1974	---	0 ON MAR 1	0 ON MAR 1	0	1974
1975	---	0 ON MAR 1	0 ON MAR 1	0	1975
1976	---	0 498 ON SEP 11	0 ON MAR 1	188	1976
1977	---	0 782 ON JUN 30	0 ON MAR 1	3 940	1977
1978	---	0 600 ON AUG 8	0 ON MAR 1	2 580	1978
1979	---	0 510 ON AUG 29	0 ON MAR 1	267	1979
1980	0 728 AT 15 00 CST ON MAY 22	0 588 ON MAY 5	0 ON MAR 1	2 480	1980
1981	---	0 661 ON SEP 3	0E ON MAR 1	4 170	1981
1982	0 948 AT 07 43 CST ON MAY 12	0 947 ON MAY 11	0 ON MAR 1	2 080	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	0 748 AT 13 01 CST ON JUL 22 *	0 648 ON JUL 22	0 ON MAR 1	5 26	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	0 529 AT 15 37 CST ON AUG 19	0 524 ON AUG 19	0 ON MAR 1	851	1986
				3 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SPRUCE RIVER NEAR OUTLET FROM ANGLIN LAKE - STATION NO 05CC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	0 597	0 289	0 042	0 042	---	---	---	---	1947
1948	---	---	---	---	2 45	0 226	0 028	0 028	0 028	---	---	---	---	1948
1949	---	---	---	---	0 190	0 321	0 313	0 132	0 085	0 028	---	---	---	1949
1952	---	---	---	1 88	0 530	0 067	0 033	0 027	0 090	---	---	---	---	1952
1953	---	---	0 057	2 21	3 39	0 285	0 139	0 053	0 094	0 094	---	---	0 653	1953
1954	---	---	0 081	1 02	3 42	1 83	0 801	4 73	4 03	1 50	---	---	2 18	1954
1955	---	---	0 538	6 17	12 0	3 12	2 01	0 644	0 635	0 312	---	---	3 20	1955
1956	---	---	0 503	1 12	6 86	3 91	1 15	0 173	0 217	0 246	---	---	1 65	1956
1957	---	---	0 038	1 34	1 58	0 143	0 130	0 042	0 105	0 136	---	---	0 427	1957
1958	---	---	0 031	3 32	0 765	0 209	0 148	0 005	0 110	0 440	---	---	0 498	1958
1959	---	---	0 309	1 74	0 388	0 364	0 116	0 027	0 085	0 732	---	---	0 455	1959
1960	---	---	0 120	3 85	3 00	3 24	1 24	1 13	1 81	0 145	---	---	1 74	1960
1961	---	---	0 568	2 44	1 36	0 194	0 250	0 145	0 111	0 173	---	---	0 857	1961
1962	---	---	0 020	0 155	0 162	0 274	0 232	0 103	0 102	0 068	---	---	0 213	1962
1963	---	---	0 003	0 142	0 081	0 212	0 261	0 059	0 419	0 323	---	---	0 185	1963
1964	---	---	0 065	0 331	0 318	---	---	---	---	---	---	---	---	1964
MEAN	---	---	0 185	1 87	2 37	0 918	0 607	0 503	0 508	0 357	---	---	1 08	MEAN

LOCATION - LAT 53 39 05 N DRAINAGE AREA 782 km^2
LONG 106 02 51 W REGULATED

SPRUCE RIVER NEAR OUTLET FROM ANGLIN LAKE - STATION NO 05CC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	---	---	---	1949
1952	---	4 59 ON APR 15	0 ON JUL 15 *	---	1952
1953	---	13 0 E ON APR 26	0 005 ON AUG 23	13 800	1953
1954	---	19 6 ON AUG 29	0 023 ON JUL 6	45 800	1954
1955	---	35 4 ON MAY 4 *	0 011 ON OCT 28	67 900	1955
1956	---	19 0 ON MAY 10	0 020 ON SEP 1	35 000	1956
1957	---	1 188 ON APR 28	0 ON JUL 14	3 250	1957
1958	---	4 87 ON APR 10	0 ON AUG 14	10 500	1958
1959	---	3 78 ON APR 15	0 006 ON SEP 6	9 830	1959
1960	---	9 03 ON JUN 29	0 ON OCT 16	34 800	1960
1961	---	3 45 ON APR 26	0 0388 ON MAR 1	13 800	1961
1962	---	1 30 ON OCT 22	0 0088 ON MAR 10	4 930	1962
1963	---	1 34 ON SEP 19	0 0 ON MAR 1	4 120	1963
1964	---	---	---	---	1964
				22 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SQUAW COULEE NEAR WILLOW CREEK - STATION NO 11AB103

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.076	0	0.025	0	0	---	---	---	1966
1967	---	---	---	---	---	0.324	0.015	0.016	0	0	---	---	---	1967
1968	---	---	---	0	0.036	0.047	0.001	0.014	0	0	---	---	---	1968
1969	---	---	---	---	0.039	0.107	0.003	0.006	0	0	---	---	---	1969
1970	---	---	---	---	0.027	0.027	0	0	0	0	---	---	---	1970
1971	---	---	---	---	0.059	0.013	0	0.006	0	0	---	---	---	1971
1972	---	---	---	0.076	0.053	0.004	0.021	0.033	0	0	---	---	---	1972
1973	---	---	---	0	0	0.001	0	0	0	0	---	---	---	1973
1974	---	---	0.189	0.145	0.497	0.072	0.016	0.020	0	0	---	---	0.118	1974
1975	---	---	0	0.482	0.184	0.276	0	0.029	0	0	---	---	0.118	1975
1976	---	0.023	0.054	0.005	0.027	0.003	0	0	0	0	---	---	0.011	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.340	0	0.026	0	0.005	0.010	0	---	---	0.047	1978
1979	---	---	0.379	0.034	0.003	0.086	0.003	0.036	0	0	---	---	0.089	1979
1980	---	---	0	0	0.009	0.001	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.506	0.186	0.074	0	0.015	0	0	---	---	0.086	1982
1983	---	---	0	0	0	0.018	0	0	0	0	---	---	0.002	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0.385	0	0.037	0.023	0	0	---	0.051	---	---	---	1986
MEAN	---	0.023	0.077	0.098	0.061	0.057	0.003	0.010	0.001	0.002	---	---	0.039	MEAN

LOCATION - LAT 49 02 11 N LONG 109 48 23 W DRAINAGE AREA 102 km² REGULATED

SQUAW COULEE NEAR WILLOW CREEK - STATION NO 11AB103

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	0 ON JUN 1 *	---	1966
1967	---	---	0 ON JUL 2	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	0.521 AT 18 08 CST ON MAY 10	0.184 ON MAY 28	0 ON APR 26	---	1971
1972	1.74 AT 05 15 CST ON APR 10	1.18 ON APR 10	0 ON APR 9	---	1972
1973	0.031 AT 04 50 CST ON JUN 3	0.022 ON JUN 3	0 ON APR 1	---	1973
1974	5.80 AT 03 49 CST ON MAY 14	3.85 ON MAY 14	0.8 ON MAR 1	2 490	1974
1975	6.03 AT 15 51 CST ON JUN 20	4.36 ON APR 21	0 ON MAR 1	2 490	1975
1976	---	0.2838 ON MAR 22	0.8 ON MAR 12	238	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	4.82 B AT 01 19 CST ON APR 6	3.54 B ON APR 5	0.8 ON MAR 1	966	1978
1979	4.34 B AT 16 36 CST ON MAR 20	2.47 B ON MAR 20	0.8 ON MAR 1	1 470	1979
1980	0.105 AT 17 03 CST ON MAY 28	0.086 ON MAY 28	0.8 ON MAR 1	27.8	1980
1981	---	0.0018 ON MAR 1	0.8 ON MAR 3	0.17	1981
1982	5.82 AT 02 30 CST ON MAY 30 *	4.55 ON MAY 30 *	0.8 ON MAR 1	2 040	1982
1983	0.197 AT 12 38 CST ON JUN 20	0.121 ON JUN 20	0 ON MAR 1	42.3	1983
1984	0 AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	---	---	0 ON APR 2	---	1986
MEAN				815	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STOKKE DITCH NEAR COVENLOCK - STATION NO 11AB110

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.014	0.005	0.017	0	0	0	0	0	---	---	0.005	1968
1969	---	---	---	0.048	0	0	0	0	0	0	---	---	---	1969
1970	---	---	0	0.041	0	0	0	0	0	0	---	---	0.005	1970
1971	---	---	---	0.024	0	0	0	0.043	0	0	---	---	---	1971
MEAN	---	---	0.007	0.029	0.004	0	0	0.011	0	0	---	---	0.005	MEAN

LOCATION - LAT 49 08 48 N LONG 109 50 52 W REGULATED

STOKKE DITCH NEAR COVENLOCK - STATION NO 11AB110

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	0.099 ON MAR 26	0E ON MAR 1 *	96.6	1968
1969	---	---	---	---	1969
1970	---	0.218 ON APR 13 *	0 ON MAR 1	105	1970
1971	---	---	---	---	1971
MEAN				101	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR KAMSACK - STATION NO 05MD010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	2.05	0.094	0.424	0.086	0.016	0.007	0.021	---	---	0.328	1971
1972	---	---	0.014	3.13	0.480	0.054	0.012	0	0	0.006	---	---	0.464	1972
1973	---	---	0.105	0.101	0.058	0.148	0.029	0.001	0.017	0.011	---	---	0.058	1973
1974	---	---	0	2.40	0.888	0.039	0	0	0.001	0.003	---	---	0.408	1974
1975	---	---	0	1.95	0.825	0.194	0.010	0	0.001	0.002	---	---	0.344	1975
1976	---	---	0	3.18	0.131	0.086	0.005	0	0	0	---	---	0.417	1976
1977	---	---	0.009	0.105	0.018	0.001	0	0	0	0	---	---	0.015	1977
1978	---	---	0.020	0.430	0.041	0.009	0.001	0.001	0.001	0.015	---	---	0.064	1978
1979	---	---	0	2.73	0.946	0.019	0.001	0	0	0	---	---	0.456	1979
1980	---	---	0	0.784	0.001	0	0	0	0	0	---	---	0.095	1980
1981	---	---	0.054	0.034	0.028	0.042	0.024	0.005	0	0.004	---	---	0.024	1981
1982	---	---	0.013	0.711	0.006	0.008	0.349	0.006	0.003	0.024	---	---	0.139	1982
1983	---	---	0.010	2.34	0.770	0.210	0.312	0.034	0.003	0.004	---	---	0.455	1983
1984	---	---	0.545	0.478	0.135	0.092	0.005	0.006	0.003	0.008	---	---	0.159	1984
1985	---	---	0.012	3.87	0.306	0.117	0.048	0.002	0.019	0.034	---	---	0.542	1985
1986	---	---	0.404	2.01	0.303	0.005	0.054	0.013	0.001	0.005	---	---	0.357	1986
MEAN	---	---	0.074	1.84	0.301	0.091	0.058	0.005	0.004	0.014	---	---	0.270	MEAN

LOCATION - LAT 51 23 19 N DRAINAGE AREA, 445 km²
LONG 101 50 19 W NATURAL FLOW

STONY CREEK NEAR KAMSACK - STATION NO 05MD010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	8.24 B ON APR 11	0 B ON MAR 1 *	6 940	1971
1972	---	9.91 B ON APR 16	0 ON AUG 1	9 630	1972
1973	---	1.08 B ON MAR 24	0 B ON MAR 1	1 240	1973
1974	---	12.4 ON APR 22	0 B ON MAR 1	8 660	1974
1975	9.26A AT 19 00 CST ON APR 23	9.20 A ON APR 23	0 B ON MAR 1	7 280	1975
1976	11.8 AT 08 47 CST ON APR 11	11.2 A ON APR 13	0 B ON MAR 1	8 820	1976
1977	---	0.2528 ON APR 10	0 B ON MAR 1	348	1977
1978	1.44 AT 18 33 CST ON MAY 6	1.00 B ON APR 6	0 B ON MAR 1	1 350	1978
1979	11.1 AT 20 47 CST ON APR 24	10.9 ON APR 24	0 B ON MAR 1	8 850	1979
1980	4.05 AT 02 00 CST ON APR 10	3.28 ON APR 10	0 B ON MAR 1	2 030	1980
1981	---	0.2008 ON MAR 17	0 E ON SEP 5	507	1981
1982	4.80 AT 17 02 CST ON JUL 17	3.52 ON JUL 17	0.0018 ON MAR 1	2 930	1982
1983	12.5 AT 10 35 CST ON APR 25 *	12.5 ON APR 25 *	0 ON SEP 3	9 640	1983
1984	4.588 AT 11 23 CST ON MAR 31	2.80 B ON MAR 31	0 B ON MAR 1	3 370	1984
1985	10.3 AT 14 13 CST ON APR 15	10.2 ON APR 15	0.001 ON AUG 3	11 400	1985
1986	8.518 AT 08 53 CST ON APR 2	9.10 B ON APR 2	0.001 ON JUL 23	7 550	1986
				5 710	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR STENEN - STATION NO 05MC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0	2.05	0.923	0.114	0.028	0	0	0	---	---	0.386	1957
1958	---	---	0	0.091	0.004	0.002	0	0	0	0	---	---	0.012	1958
1959	---	---	0.001	0.077	0.001	0	0	0	0	0	---	---	0.010	1959
1960	---	---	0	3.65	0.841	0.070	0	0	0	0	---	---	0.562	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.552	0.231	0	0	0	0	0	---	---	0.097	1962
1963	---	---	0.001	0.314	0.025	0	0	0	0	0	---	---	0.042	1963
1964	---	---	0	0.028	0.045	0.003	0	0	0	0	---	---	0.010	1964
1965	---	---	0	0.842	0.287	0.272	0.061	0.012	0.002	0.008	---	---	0.188	1965
1966	---	---	0	2.77	0.866	0.047	0.023	0.004	0	0	---	---	0.457	1966
1967	---	---	0	0.170	1.97	0.008	0	0	0	0	---	---	0.271	1967
1968	---	---	0.006	0.348	0.010	0	0.002	0	0	0	---	---	0.045	1968
1969	---	---	0	1.37	0.088	0.004	0	0	0	0	---	---	0.180	1969
1970	---	---	0	0.568	1.09	0.052	0.008	0	0	0.001	---	---	0.214	1970
1971	---	---	0	4.78	0.709	0.018	0	0	0	0	---	---	0.678	1971
1972	---	---	0	4.54	2.60	0.017	0	0	0	0	---	---	0.885	1972
1973	---	---	0	0.140	0.035	0.043	0.038	0.004	0	0	---	---	0.032	1973
1974	---	---	0	3.02	2.56	0.266	0.010	0	0	0	---	---	0.726	1974
1975	---	---	0	2.17	2.02	0.243	0.032	0.037	0	0	---	---	0.559	1975
1976	---	---	0	3.15	0.373	0.082	0.060	0	0	0	---	---	0.451	1976
1977	---	---	0	0.443	0.083	0	0	0	0	0	---	---	0.062	1977
1978	---	---	0	0.787	0.533	0.042	0.004	0.002	0.001	0	---	---	0.167	1978
1979	---	---	0	3.12	3.58	0.356	0.005	0	0	0	---	---	0.879	1979
1980	---	---	0	1.34	0.093	0	0	0	0	0	---	---	0.176	1980
1981	---	---	0.052	0.219	0.017	0.005	0.011	0.018	0	0.037	---	---	0.044	1981
1982	---	---	0	0.141	0.002	0	0	0	0	0	---	---	0.018	1982
1983	---	---	0	1.57	2.24	0.182	0.016	0.005	0	0	---	---	0.497	1983
1984	---	---	0.140	1.32	0.328	0.505	0.058	0	0	0	---	---	0.288	1984
1985	---	---	0	4.20	0.678	0.001	0	0	0	0	---	---	0.800	1985
1986	---	---	0.011	3.38	0.167	0	0	0	0	0	---	---	0.436	1986
MEAN	---	---	0.007	1.57	0.748	0.077	0.012	0.003	0	0.002	---	---	0.299	MEAN

LOCATION - LAT 51 52 58 N DRAINAGE AREA, 253 km²
LONG 102 19 48 W NATURAL FLOW

STONY CREEK NEAR STENEN - STATION NO 05MC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	9.83 ON APR 26	0B ON MAR 1 *	8 180	1957
1958	0.255 AT 10 30 CST ON APR 7	0.255 ON APR 6	0B ON MAR 1	250	1958
1959	0.181 AT 23 00 CST ON APR 7	0.178 ON APR 7	0B ON MAR 1	204	1959
1960	12.7 AT 21 00 CST ON APR 20	12.6 ON APR 20	0B ON MAR 1	11 800	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	2.19 ON APR 26	0 ON MAR 1	2 050	1962
1963	0.991 AT 03 00 CST ON APR 11	0.874 ON APR 11	0B ON MAR 1	885	1963
1964	0.119 AT 18 00 CST ON MAY 8	0.088 ON MAY 8	0 ON MAR 1	203	1964
1965	---	1.75 ON APR 16	0B ON MAR 1	3 990	1965
1966	8.35 AT 05 00 ON APR 17	8.27 ON APR 17	0 ON MAR 1	9 690	1966
1967	---	4.45 ON MAY 1	0B ON MAR 1	5 730	1967
1968	0.956 AT 10 30 CST ON APR 10	0.900 ON APR 14	0 ON MAR 1	951	1968
1965	3.85 A AT 18 00 CST ON APR 15	3.62 A ON APR 15	0B ON MAR 1	3 610	1969
1970	2.09 AT 03 00 CST ON APR 30	2.07 ON APR 30	0 ON MAR 1	4 530	1970
1971	23.5 AT 04 37 CST ON APR 18 *	22.2 ON APR 18	0B ON MAR 1	14 300	1971
1972	23.3 AT 04 59 CST ON APR 25	22.7 ON APR 25 *	0B ON MAR 1	14 600	1972
1973	0.269 AT 02 54 CST ON MAY 3	0.261 ON MAY 2	0B ON MAR 1	680	1973
1974	14.5 AT 11 18 CST ON APR 22	13.2 ON APR 23	0B ON MAR 1	15 400	1974
1975	10.2 AT 17 57 CST ON APR 24	9.85 ON APR 24	0B ON MAR 1	11 800	1975
1976	11.4 AT 09 34 CST ON APR 15	11.0 ON APR 15	0B ON MAR 1	9 550	1976
1977	1.21 AT 12 31 CST ON APR 18	1.21 ON APR 18	0B ON MAR 1	1 320	1977
1978	2.28 AT 20 10 CST ON APR 22	2.28 ON APR 22	0B ON MAR 1	3 540	1978
1979	17.9 AT 13 40 CST ON APR 27	17.7 ON APR 27	0B ON MAR 1	18 600	1979
1980	3.66 AT 11 57 CST ON APR 19	3.77 ON APR 19	0B ON MAR 1	3 730	1980
1981	0.4028 AT 06 36 CST ON APR 7	0.3928 ON APR 6	0B ON MAR 1	841	1981
1982	0.9988 AT 08 36 CST ON APR 15	0.482 ON APR 18	0B ON MAR 1	372	1982
1983	9.81 AT 02 49 CST ON APR 27	9.33 ON APR 27	0B ON MAR 1	10 500	1983
1984	2.15 AT 20 13 CST ON APR 4	2.14 ON APR 4	0B ON MAR 1	6 120	1984
1985	10.3 AT 13 37 CST ON APR 23	10.1 ON APR 23	0B ON MAR 1	12 700	1985
1986	8.70 AT 19 01 CST ON APR 11	8.65 ON APR 11	0B ON MAR 1	9 230	1986
				6 330	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STRONG EAST DITCH NEAR EASTEND - STATION NO 11AC044

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0.026	0.080	0.035	0.005	0	0	0	0	---	---	0.018	1920
1922	---	---	0	0.077	0.038	0.048	0.025	0.001	0	0	---	---	0.024	1922
MEAN	---	---	0.013	0.084	0.032	0.027	0.013	0.001	0	0	---	---	0.021	MEAN

LOCATION - LAT 49 29 20 N, LONG 108 47 50 W REGULATED

STRONG EAST DITCH NEAR EASTEND - STATION NO 11AC044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	0.314 ON APR 14	0 ON MAR 1 *	381	1920
1922	---	0.501 ON JUL 8 *	0 ON MAR 1	501	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		441	MEAN

STRONG WEST DITCH NEAR EASTEND - STATION NO 11AC045

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0	0.031	0	0	0.032	0.007	0	0	---	---	0.009	1922
MEAN	---	---	0	0.031	0	0	0.032	0.007	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 29 20 N, LONG 108 47 50 W REGULATED

STRONG WEST DITCH NEAR EASTEND - STATION NO 11AC045

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.462 ON JUL 8 *	0 ON MAR 1 *	185	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		185	MEAN

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	3.14	2.01	0.551	0.302	---	---	---	1966
1967	---	---	0.227	0.755	2.82	1.20	0.511	0.374	0.147	0.152	---	---	0.774	1967
1968	---	---	1.64	5.20	2.07	1.93	0.673	0.503	0.986	1.44	---	---	1.79	1968
1969	---	---	0.451	10.8	4.28	1.08	0.408	0.366	0.147	0.978	---	---	2.29	1969
1970	---	---	0.283	9.14	6.70	1.78	4.49	1.42	0.536	0.332	---	---	3.08	1970
1971	---	---	0.398	4.62	3.14	1.51	4.37	2.66	0.655	0.353	---	---	2.21	1971
1972	---	---	0.340	7.17	9.11	1.18	0.516	0.257	0.181	0.179	---	---	2.36	1972
1973	---	---	0.438	5.17	8.75	9.39	15.8	3.85	3.13	3.94	---	---	5.28	1973
1974	---	---	1.23	21.5	36.6	13.9	11.7	3.94	2.56	3.03	---	---	11.8	1974
1975	---	---	0.605	7.25	14.3	9.85	8.35	1.98	0.966	0.717	---	---	5.49	1975
1976	---	---	0.585	5.59	2.29	1.46	0.766	0.407	0.074	0.040	---	---	1.39	1976
1977	---	---	0.152	1.87	2.19	2.64	1.53	1.57	1.35	0.772	---	---	1.51	1977
1978	---	---	0.231	8.36	7.67	3.14	0.952	0.297	0.307	0.478	---	---	2.42	1978
1979	---	---	0.046	9.54	16.4	8.46	2.50	0.487	0.283	0.371	---	---	4.75	1979
1980	---	---	0.580	7.22	2.86	0.799	1.21	0.722	1.20	1.85	---	---	2.04	1980
1981	---	---	1.15	8.01	7.70	1.93	0.966	0.675	0.314	0.342	---	---	2.63	1981
1982	---	---	0.230	2.43	4.06	1.28	0.359	0.748	0.775	1.11	---	---	1.38	1982
1983	---	---	0.711	9.73	5.84	2.11	1.38	0.488	0.294	0.184	---	---	3.09	1983
1984	---	---	0.579	7.66	4.77	11.9	4.13	0.722	0.448	0.635	---	---	3.83	1984
1985	---	---	0.801	25.8	28.1	9.66	3.29	0.781	0.320	0.617	---	---	8.76	1985
1986	---	---	0.728	5.25	5.59	2.14	0.588	0.457	0.189	0.207	---	---	2.37	1986
MEAN	---	---	0.568	8.30	8.97	4.37	3.22	1.17	0.735	0.858	---	---	3.51	MEAN

LOCATION - LAT 53 12 47 N DRAINAGE AREA, 5 100 km²
LONG 105 53 06 W NATURAL FLOW

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	4.388 AT 23 00 CST ON APR 30	3.74 ON MAY 11	0.091 ON OCT 13	16 400	1967
1968	---	9.748 ON APR 3	0.1448 ON MAR 1	38 000	1968
1969	---	30.3 ON APR 15	0.133 ON AUG 25	48 500	1969
1970	20.4 AT 02 00 CST ON APR 18	19.4 ON APR 18	0.227 ON OCT 25	65 100	1970
1971	11.6 AT 19 00 CST ON APR 17	9.74 ON APR 20	0.269 ON OCT 26	46 900	1971
1972	30.0 AT 23 51 CST ON APR 25	29.2 ON APR 26	0.127A ON OCT 6	50 000	1972
1973	28.9 AT 05 08 CST ON JUL 14	25.7 ON JUL 14	0.399B ON MAR 1	133 000	1973
1974	74.8 AT 22 22 CST ON APR 22 *	59.1 ON APR 23 *	1.23 B ON MAR 1	250 000	1974
1975	---	19.2 ON MAY 4	0.5278 ON MAR 1	116 000	1975
1976	9.63 AT 18 55 CST ON APR 12	9.15 ON APR 12	0.006 ON SEP 28	29 300	1976
1977	---	4.25E ON JUN 6	0.1508 ON MAR 1	31 900	1977
1978	13.1 AT 00 01 CST ON APR 22	12.5 ON APR 22	0.164 ON SEP 11	51 200	1978
1979	42.2 AT 01 03 CST ON APR 26	41.0 ON APR 28	0.0328 ON APR 4	100 000	1979
1980	16.5 AT 21 28 CST ON APR 20	16.7 ON APR 20	0.483 ON AUG 17	43 200	1980
1981	10.5 AT 14 24 CST ON MAY 1	10.4 ON MAY 1	0.245 ON SEP 24	55 600	1981
1982	8.48 AT 02 43 CST ON MAY 2	8.37 ON MAY 2	0.100 ON JUL 12	29 100	1982
1983	30.8 AT 12 10 CST ON APR 26	30.8 ON APR 26	0.134 ON OCT 28	65 400	1983
1984	13.3 AT 13 13 CST ON JUN 23	13.2 ON JUN 23	0.339 ON OCT 15	80 900	1984
1985	85.3 AT 19 39 CST ON APR 23	84.4 ON APR 23	0.225 ON SEP 25	185 000	1985
1986	14.9 AT 11 53 CST ON APR 10	13.9 ON APR 10	0 ON JUL 23 *	50 300	1986
				74 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO. 05KG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	49.4	49.1	---	1972
1973	46.0	41.2	37.3	35.2	53.0	80.6	100	93.1	72.9	56.9	47.0	43.8	59.1	1973
1974	40.9	38.8	35.4	38.3	66.9	87.2	147	217	184	138	106	87.1	99.4	1974
1975	73.4	62.3	50.1	42.2	50.9	69.4	71.8	70.5	57.2	45.3	39.2	32.8	55.4	1975
1976	30.6	29.0	26.9	26.0	24.1	28.9	40.1	38.0	35.4	31.4	28.7	26.8	30.6	1976
1977	24.9	24.1	23.1	22.5	30.6	39.1	34.7	32.1	30.1	28.7	28.8	27.9	28.9	1977
1978	27.4	26.3	25.2	25.5	27.7	28.8	29.1	29.2	30.6	34.8	37.1	37.3	30.0	1978
1979	35.6	13.8	32.4	31.8	38.4	44.5	45.2	39.8	38.3	42.8	53.3	57.7	41.2	1979
1980	52.9	48.3	42.5	39.5	34.4	28.6	24.6	22.1	22.7	25.2	25.7	27.9	32.8	1980
1981	30.1	28.7	28.2	27.0	27.8	26.4	24.6	20.8	17.0	14.5	13.7	14.0	22.8	1981
1982	14.2	13.8	13.6	14.5	22.1	27.0	28.9	33.9	36.0	33.6	32.5	33.1	25.4	1982
1983	32.9	31.5	29.7	28.1	39.6	61.6	96.9	102	100	101	86.8	75.7	65.8	1983
1984	66.0	56.0	47.7	50.0	53.9	76.1	88.5	73.5	62.6	54.7	53.4	51.1	61.1	1984
1985	47.6	44.1	39.9	40.2	77.8	115	141	118	80.2	66.0	52.2	44.5	73.3	1985
1986	38.7	34.1	30.4	29.5	36.5	46.2	56.4	70.3	57.6	49.7	43.3	40.5	44.5	1986
MEAN	40.0	36.7	33.1	32.2	41.7	54.3	66.3	68.7	59.6	51.6	46.5	43.3	47.9	MEAN

LOCATION - LAT 54 49 40 N DRAINAGE AREA, 12 800 km²
LONG 102 38 08 W NATURAL FLOW

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO 05KG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	103 AT 17 09 CST ON JUL 24	103 ON JUL 27	33 4 ON APR 17	1 860 000	1973
1974	227 AT 03 07 CST ON AUG 15 *	224 ON AUG 15 *	34 3 ON APR 12	3 130 000	1974
1975	75.3 AT 00 00 CST ON JAN 1	78.7 ON JAN 1	31 4 ON DEC 25	1 750 000	1975
1976	47.9 AT 18 31 CST ON JUL 17	47.9 ON JUL 18	23 3 ON MAY 25	968 000	1976
1977	59 5 AT 21 56 CST ON MAY 29	58 9 ON MAY 29	22 4E ON APR 10	912 000	1977
1978	37.9 AT 00 20 CST ON NOV 5	37 9 ON NOV 5	24 6 ON MAR 30	945 000	1978
1979	58.6 AT 06 56 CST ON DEC 27	58 3 ON DEC 7	30 7 ON APR 5	1 300 000	1979
1980	54.8 AT 05 17 CST ON JAN 1	54 8 ON JAN 1	20 5 ON SEP 11	1 040 000	1980
1981	30.3 AT 08 01 CST ON JAN 13	30 3 ON JAN 13	13 4 ON NOV 30	718 000	1981
1982	38.0 AT 02 11 CST ON AUG 18	37 8 ON AUG 18	13 3 ON APR 11 *	800 000	1982
1983	113 AT 17 04 CST ON SEP 21	112 ON SEP 21	27 6 ON APR 18	2 080 000	1983
1984	98.9 AT 16 35 CST ON JUN 22	98 4 ON JUN 22	45 3 ON APR 5	1 930 000	1984
1985	147 AT 23 31 CST ON JUL 8	146 ON JUL 7	36 8 ON APR 13	2 310 000	1985
1986	73.0 AT 06 25 CST ON AUG 4	73.0 ON AUG 3	28 8 ON APR 21	1 400 000	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 510 000	MEAN

E - ESTIMATED

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO 05KG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	45.1	53.0	48.3	44.0	43.0	40 3	39.9	---	1959
1960	38.2	36.7	35.0	35.1	40.0	59.7	73 3	72.8	59.8	---	---	---	---	1960
1961	36.3	34.4	33.3	32.3	35.2	38.7	36 0	33 3	29 1	27 1	27.3	27.2	32.5	1961
1962	26.8	26.1	25.7	25.8	37.8	51.8	51 3	44 5	38.6	34 5	31.2	31.0	35.5	1962
1963	30.9	29.7	28.5	28.8	38.2	48 9	56 5	77 2	84.4	76.8	59 5	49 8	50.7	1963
1964	43.9	38.8	34.6	33.1	38 1	37.8	33.9	33.8	40.2	50.0	53 1	52.7	40.8	1964
1965	50.0	46.6	44.7	43.4	60.1	90.3	103	108	93.9	83 7	75.3	70 0	72 4	1965
1966	64.2	57.3	52.9	48.8	45.9	54.6	77 4	79 6	85.8	52.6	43 8	42.2	57 1	1966
1967	40.3	38.3	35.7	33.5	34.2	42 1	44.8	43 7	36.3	31 2	28.8	29.2	36.5	1967
1968	30.9	30.6	28.1	27.6	29.2	35 4	34 9	30 4	30.3	28.5	28.2	30 6	30 4	1968
1969	32.4	34.6	35.0	36.4	41.2	41.5	38 7	35 4	31.2	35.5	37 7	37 8	36.5	1969
1970	37.6	36.9	35.8	35.3	39.0	45.4	67.2	75.9	74.2	67 3	70.0	68 3	54.5	1970
1971	67.1	64.0	59.1	55.5	60.4	62.0	58 9	55 9	52 7	53 8	56 7	57 5	58.6	1971
1972	57.9	54.8	51.5	48.2	61.8	80.0	87.3	79.5	65.5	59 7	58.0	58 2	83.6	1972
1973	57.0	54.9	53.8	52.4	62.5	91.2	105	98.9	84.8	88 3	59.2	58.3	70.7	1973
1974	56.7	55.1	52.5	52.2	68.7	86.4	108	178	203	173	141	115	108	1974
1975	85.1	79.6	68.1	60.1	65.0	84.7	84.3	81 6	72.3	59 0	53.0	50 0	71.0	1975
1976	47.2	42.7	39.1	37.9	35.2	38.2	50.2	53 7	46.4	40 3	33 2	33.3	41.5	1976
1977	32.5	32.7	32.0	30.6	35.5	50.7	53.3	49 1	43.4	40 9	40.1	39.1	40 0	1977
1978	40.0	38.4	36.8	36.5	41.3	41.8	38.1	36.2	35 9	35.5	38 7	42.5	38 6	1978
1979	47.2	47.7	47.0	46.2	49.4	60.3	59 7	50.7	45 8	45 5	50 0	55.3	50 4	1979
1980	57.8	58.2	55.6	53.8	49.0	44.4	36.2	29 4	29 0	30.3	28.5	28.8	41 7	1980
1981	34.2	35.1	35.8	35.5	36.0	35.4	32.7	28 4	24 4	20 1	20.2	20 4	29.8	1981
1982	21.1	21.7	21.3	21.0	25.8	32.8	36.2	36 1	34.9	35.4	36 6	37.9	30.1	1982
1983	40.0	40.4	40.3	39.7	46.4	59.7	82 3	96 4	105	110	105	91.5	71.8	1983
1984	82.4	73.5	64.9	64.0	85.2	75.5	99 6	90.9	73.7	67 4	85.7	84.7	74 0	1984
1985	60.2	58.2	53.9	51.7	74.4	109	153	134	111	84 1	88.2	80.2	85.1	1985
1985	---	---	---	---	---	---	---	---	---	---	---	---	---	1985
1986	55.1	48.9	44.4	43.8	49.4	54.3	57 4	69 8	63 8	59 4	55 0	54.3	54.7	1986
MEAN	47.5	45.0	42.4	41.1	46.9	57.0	64.7	65.0	61 4	56.0	52.0	49.8	52.9	MEAN

LOCATION - LAT 54 28 20 N DRAINAGE AREA, 14 800 km^2
LONG 102 10 30 W NATURAL FLOW

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO. 05KG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1960	---	78.7 ON JUL 24	---	---	1960
1961	---	35.6 ON JUN 10	26.6 ON OCT 3	1 030 000	1961
1962	---	56.1 ON JUL 3	25.7 ON MAR 6	1 120 000	1962
1963	---	88.9 ON SEP 14	28.0 ON MAR 24	1 600 000	1963
1964	---	55.2 ON OCT 28	32.3 ON APR 2	1 290 000	1964
1965	---	114 ON JUL 31	42.8 ON MAR 31	2 280 000	1965
1966	---	86.4 ON JUL 21	41.3 ON DEC 30	1 800 000	1966
1967	---	47.6 ON JUL 23	28.1 ON NOV 30	1 150 000	1967
1968	---	37.1 ON JUL 14	27.2 ON APR 3	961 000	1968
1969	---	43.6 ON JUN 8	30.0 ON SEP 24	1 150 000	1969
1970	---	80.4 ON AUG 18	34.3 ON APR 1	1 720 000	1970
1971	---	68.8 ON JAN 3	47.0 ON SEP 25	1 850 000	1971
1972	---	90.6 ON JUN 30	45.9 ON MAY 3	2 010 000	1972
1973	---	107 ON JUL 17	50.4 ON APR 17	2 230 000	1973
1974	212 AT 12:11 CST ON SEP 12 *	210 ON SEP 12 *	50.7 ON MAR 26	3 400 000	1974
1975	106 AT 04:12 CST ON JAN 2	105 ON JAN 2	49.8 ON DEC 11	2 240 000	1975
1976	63.1 AT 18:47 CST ON JUL 22	57.2 ON JUL 29	30.3 ON NOV 11	1 310 000	1976
1977	64.6 AT 23:00 CST ON JUL 23	55.8 ON JUL 8	29.7 ON APR 17	1 260 000	1977
1978	46.2 AT 01:12 CST ON AUG 18	44.5 ON DEC 31	32.0 ON SEP 28	1 220 000	1978
1979	88.7 AT 13:50 CST ON JUL 24	85.9 ON JUL 24	43.5 ON SEP 28	1 590 000	1979
1980	60.6 AT 02:27 CST ON FEB 9	59.3 ON FEB 5	26.2 ON SEP 11	1 320 000	1980
1981	40.9 AT 16:11 CST ON JUN 5	38.5 ON MAY 22	19.1 ON OCT 8 *	940 000	1981
1982	43.7 AT 15:19 CST ON AUG 7	40.3 ON JUN 29	20.5 ON JAN 1	951 000	1982
1983	118 AT 00:58 CST ON SEP 18	114 ON OCT 16	38.3 ON JAN 1	2 260 000	1983
1984	---	103 ON JUL 14	61.4E ON DEC 31	2 340 000	1984
1985	---	164 ON JUL 13	49.7 ON APR 18	2 680 000	1985
1985	---	---	---	---	1985
1986	---	73.9 ON AUG 16	42.0 ON MAR 27	1 730 000	1986
1985	173 AT 17:35 CST ON JUL 28	---	---	---	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 670 000	MEAN

E - ESTIMATED

SUCKER CREEK AT GILCHRIST'S RANCH NEAR VIDORA - STATION NO. 11AC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	0.824	0.325	0.035	0.057	0.072	---	---	---	1909
1910	---	---	---	0.147	0.072	0.041	0.021	0.045	0.059	0.084	---	---	---	1910
1911	---	---	---	0.746	0.163	0.105	0.050	0.038	0.111	0.085	---	---	---	1911
1912	---	---	---	3.03	0.328	0.090	0.060	0.071	0.093	0.099	---	---	---	1912
1913	---	---	---	1.48	0.208	0.076	0.054	0.039	0.045	0.062	---	---	---	1913
1914	---	---	---	0.675	0.145	0.066	0.010	0.010	0.033	0.084	---	---	---	1914
1915	---	---	---	0.472	0.174	0.148	0.108	0.078	0.117	0.121	---	---	---	1915
1916	---	---	---	0.375	0.512	0.552	0.193	0.038	0.098	0.232	---	---	---	1916
1917	---	---	---	---	1.50	0.221	0.043	0.029	0.044	0.070	---	---	---	1917
1918	---	---	---	---	0.143	0.048	0.030	0.035	0.050	0.060	---	---	---	1918
1919	---	---	---	0.303	0.067	0.024	0.011	0.013	0.037	0.057	---	---	---	1919
1920	---	---	0.071	1.93	0.720	0.194	0.064	0.008	0.026	0.060	---	---	0.380	1920
1921	---	---	0.237	1.12	0.126	0.036	0.019	0.014	0.033	0.050	---	---	0.202	1921
1922	---	---	0.056	2.82	0.774	0.045	0.030	0.024	0.021	0.044	---	---	0.471	1922
1923	---	---	0.045	0.327	0.094	0.130	0.056	0.034	0.034	0.049	---	---	0.095	1923
1924	---	---	0.039	0.360	0.054	0.057	0.009	0.009	0.015	0.037	---	---	0.072	1924
1925	---	---	0.081	1.40	0.078	0.042	0.023	0.025	0.055	0.063	---	---	0.217	1925
1926	---	---	0.578	0.208	0.071	0.030	0.017	0.007	0.080	0.049	---	---	0.128	1926
1927	---	---	0.075	2.45	1.08	0.181	0.049	0.045	0.059	0.077	---	---	0.485	1927
1928	---	---	0.449	0.371	0.175	0.281	0.088	0.042	0.052	0.078	---	---	0.193	1928
1939	---	---	0.172	0.205	0.090	0.134	0.013	0.001	0.010	0.031	---	---	0.082	1939
1940	---	---	0.014	1.28	0.225	0.084	0.026	0.015	0.004	0.021	---	---	0.203	1940
1941	---	---	0.519	0.188	0.041	0.046	0.026	0.003	0.007	0.002	---	---	0.104	1941
1942	---	---	0.054	0.671	0.081	0.297	0.068	0.014	0.023	0.024	---	---	0.152	1942
1943	---	---	0.429	0.665	0.077	0.054	0.018	0.003	0.004	0.030	---	---	0.159	1943
1944	---	---	0.144	0.730	0.078	0.035	0.026	0.017	0.013	0.032	---	---	0.133	1944
1945	---	---	0.368	0.084	0.052	0.031	0.010	0.002	0.010	0.033	---	---	0.074	1945
MEAN	---	---	0.208	0.919	0.274	0.146	0.054	0.026	0.043	0.062	---	---	0.198	MEAN

LOCATION - LAT 49 28 00 N DRAINAGE AREA, 88.1 km^2
LONG 109 23 00 W NATURAL FLOW

SUCKER CREEK AT GILCHRIST'S RANCH NEAR VIDORA - STATION NO 11AC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	17.1 ON APR 19	9.17 ON APR 20	0.001 ON SEP 17	8 050	1920
1921	---	6.94 ON APR 14	0.003E ON AUG 30	4 270	1921
1922	61.7 AT 02:00 MST ON APR 23 *	22.4 ON APR 23 *	0.008 ON AUG 11	9 970	1922
1923	1.34 AT 01:00 MST ON APR 18	1.13 ON APR 18	0.020 ON AUG 31	2 020	1923
1924	18.2 B AT 05:00 MST ON APR 7	4.588 ON APR 7	0 ON JUL 11 *	1 520	1924
1925	27.5 AT 19:30 MST ON APR 4	9.03 ON APR 5	0.011 ON JUL 18	4 800	1925
1926	2.83 AT 06:00 MST ON APR 11	1.988 ON MAR 18	0.003 ON JUL 31	2 710	1926
1927	26.3 AT 00:30 MST ON APR 26	17.0 ON APR 25	0.003 ON AUG 5	10 500	1927
1928	5.448 AT 20:20 MST ON MAR 21	3.238 ON MAR 21	0.011 ON AUG 11	4 080	1928
1939	---	1.028 ON MAR 25	0 ON JUL 9	1 730	1939
1940	17.1 AT 18:30 MST ON APR 21	13.6 ON APR 21	0 ON AUG 31	4 280	1940
1941	2.758 AT 04:00 MST ON MAR 22	1.958 ON MAR 22	0 ON JUL 16	2 200	1941
1942	4.84 AT 01:00 MST ON JUN 29	2.89 ON JUN 29	0 ON AUG 6	3 220	1942
1943	4.398 AT 21:00 MST ON MAR 28	3.28 ON APR 3	0 ON AUG 31	3 360	1943
1944	4.478 AT 22:30 MST ON MAR 31	3.628 ON APR 1	0.003 ON JUL 17	2 810	1944
1945	3.658 AT 19:00 MST ON MAR 23	2.448 ON MAR 24	0 ON JUL 23	1 570	1945
				4 180	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.605	7.83	12.6	28.5	4.32	1.93	3.01	3.57	---	---	---	1965
1966	---	---	0.439	11.5	12.4	13.0	12.4	4.78	3.03	1.84	---	---	---	1966
1967	---	---	0.530	7.29	24.6	6.17	0.943	0.509	0.518	2.21	---	---	---	1967
1968	---	---	0.811	2.21	1.01	2.41	1.79	5.75	4.43	1.54	---	---	---	1968
1969	---	---	0.535	8.91	2.19	0.886	1.06	0.830	0.834	4.23	---	---	---	1969
1970	---	---	0.381	6.33	17.1	7.78	12.9	2.77	0.940	4.00	---	---	---	1970
1971	---	---	0.673	31.1	8.25	2.02	1.41	0.874	0.474	2.52	---	---	---	1971
1972	---	---	0.585	15.2	44.3	3.23	2.02	0.513	0.502	0.494	---	---	---	1972
1973	---	---	0.853	3.56	4.05	12.5	8.51	1.31	1.05	0.916	0.781	0.824	---	1973
1974	0.571	0.516	0.524	13.8	31.6	10.3	1.08	0.748	2.50	3.24	1.33	0.870	5.61	1974
1975	0.845	0.493	0.384	8.71	14.7	10.3	2.23	1.09	4.11	5.75	3.17	1.04	4.40	1975
1976	0.498	0.798	0.819	17.1	2.54	20.5	11.0	0.982	0.253	0.551	0.423	0.457	4.63	1976
1977	0.421	0.555	0.601	6.37	3.83	1.27	1.42	2.91	6.98	5.06	5.05	1.52	2.98	1977
1978	0.768	0.573	0.638	10.0	10.3	2.47	2.09	0.513	1.95	3.58	2.46	1.09	3.05	1978
1979	0.834	0.543	0.584	11.0	28.5	19.6	1.86	0.423	0.575	0.832	0.643	0.474	5.49	1979
1980	0.426	0.389	0.394	6.89	1.20	0.703	1.11	2.60	2.89	3.81	1.71	0.771	1.90	1980
1981	0.445	0.408	1.28	9.29	4.54	1.94	2.35	1.52	0.495	5.96	4.57	0.843	2.89	1981
1982	0.556	0.331	0.325	6.01	3.80	2.12	5.85	2.08	1.00	2.22	0.838	0.802	2.17	1982
1983	0.550	0.466	0.511	10.1	17.0	6.16	14.5	2.67	2.18	2.02	2.25	1.41	5.02	1983
1984	0.573	0.636	1.19	23.8	28.1	20.6	2.08	0.386	0.726	1.23	1.14	0.746	6.75	1984
1985	0.590	0.496	0.788	17.4	8.13	4.73	2.00	3.83	2.84	4.00	1.14	0.630	3.85	1985
1986	0.510	0.386	0.716	22.4	14.2	6.44	3.66	1.81	1.10	1.23	0.802	0.760	4.48	1986
MEAN	0.553	0.506	0.643	11.7	13.4	8.35	4.39	1.87	1.92	2.80	1.88	0.861	4.09	MEAN

LOCATION - LAT 51 59 52 N
LONG 102 04 26 W
DRAINAGE AREA, 1 920 km^2
NATURAL FLOW

SWAN RIVER NEAR MORGUAY - STATION NO. 05LE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	142 ON MAY 4 *	140 ON MAY 4 *	0.091 ON SEP 2	---	1972
1973	---	19.3 ON JUL 5	---	---	1973
1974	---	47.38 ON APR 21	0.380 ON AUG 12	177 000	1974
1975	45.38 AT 03:00 CST ON APR 23	30.3 ON APR 29	0.2708 ON MAR 14	139 000	1975
1976	47.3 AT 03:42 CST ON JUN 29	46.9 ON JUN 29	0.110 ON SEP 6	146 000	1976
1977	16.98 AT 06:39 CST ON APR 14	15.68 ON APR 13	0.3698 ON JAN 1	94 100	1977
1978	27.7 AT 15:51 CST ON MAY 3	27.7 ON MAY 3	0.227 ON AUG 17	85 000	1978
1979	42.2 AT 10:12 CST ON JUN 11	41.9 ON JUN 11	0.286 ON AUG 28	173 000	1979
1980	26.78 AT 02:37 CST ON APR 15	20.88 ON APR 14	0.225 ON AUG 3	80 300	1980
1981	14.0 AT 03:00 CST ON OCT 20	13.8 ON OCT 20	0.014 ON SEP 12 *	91 300	1981
1982	21.6 AT 12:49 CST ON JUL 22	21.4 ON JUL 22	0.2468 ON MAR 8	88 300	1982
1983	60.7 AT 04:12 CST ON APR 25	55.6 ON APR 25	0.3198 ON FEB 20	158 000	1983
1984	45.0A ON MAY 23	44.9E ON MAY 23	0.206 ON SEP 6	213 000	1984
1985	36.88 AT 01:35 CST ON APR 16	35.38 ON APR 15	0.3328 ON FEB 13	121 000	1985
1986	46.78 AT 20:46 CST ON APR 9	41.38 ON APR 9	0.2358 ON FEB 17	141 000	1986
				129 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWEETWATER CREEK NEAR STAR CITY - STATION NO. 05KB012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	2.40	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0	2.40	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 52 50 30 N
LONG 104 22 19 W

SWEETWATER CREEK NEAR STAR CITY - STATION NO. 05KB012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	11.3 IN APR	---	---	---	1972
1974	---	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO 05HD034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	---	---	0.195	0.313	0.051	0.584	0.508	---	---	---	1946
1947	---	---	---	---	0.009	0.085	0.161	0.066	1.06	1.11	---	---	---	1947
1951	---	---	---	---	0.014	0.253	0.788	0.802	0.031	0.020	---	---	---	1951
1952	---	---	---	---	---	0.285	0.384	0.207	0.105	0.067	---	---	---	1952
1953	---	---	0.006	0	0.076	0.049	0.285	0.403	0.037	0.295	---	---	0.143	1953
1954	---	---	0	0	0.087	0.035	0.403	0.233	0.009	0	---	---	0.097	1954
1955	---	---	---	---	0	0.373	0.232	0.215	0.018	0.295	0	---	---	1955
1956	---	---	0	0	0.006	0.485	0.335	0.353	0.006	0.034	---	---	0.142	1956
1957	---	---	0.015	0.001	0.178	0.535	1.19	0.719	0.139	0.203	---	---	0.376	1957
1958	---	---	0.080	2.03	0.441	0.475	0.508	0.617	0.581	0	---	---	0.592	1958
1959	---	---	0.306	2.89	2.51	1.27	0.174	0.829	0.027	0.169	---	---	0.884	1959
1960	---	---	0.059	0.019	0.032	0.561	0.358	0.283	0.150	0.248	---	---	0.228	1960
1961	---	---	0.706	3.41	0.437	0.485	1.11	0.906	1.78	0.883	---	---	1.21	1961
1962	---	---	0.031	2.07	0.301	0.461	0.444	0.083	0	0	---	---	0.416	1962
1963	---	---	0.314	2.63	0.158	0.447	0.193	0.418	0.184	0.158	---	---	0.660	1963
1964	---	---	0.001	1.93	3.14	0.710	1.19	1.89	0.804	0	---	---	1.19	1964
1965	---	---	0	0.003	0.067	0.567	0.090	0.405	0	0	---	---	0.135	1965
1966	---	---	0.003	0	0.025	0.880	0.210	0.520	0.013	0.002	---	---	0.181	1966
1967	---	---	0	0	0	0.962	0.284	1.39	0.004	0	---	---	0.361	1967
1968	---	---	0.394	2.91	0.143	0.736	1.07	0.351	0	0	---	---	0.695	1968
1969	---	---	0	0	0.083	0.982	0.319	0.644	0.005	0.304	0.773	---	0.285	1969
1970	---	---	0	0	0.005	0.710	0.218	0.984	0	0	---	---	0.241	1970
1971	---	---	0	0.001	0.574	0.353	0.987	0.474	0	0	---	---	0.260	1971
1972	---	---	0	2.96	2.72	0	0.982	0.954	0.001	0	---	---	0.636	1972
1973	---	---	0	2.08	2.86	0.271	0.972	0.011	0.031	0	---	---	0.784	1973
1974	---	---	0	0.001	0.011	0.504	0.500	0.388	0.050	0	---	---	0.182	1974
1975	---	---	0	0	0.011	0.683	0.942	0.185	0.015	0	---	---	0.232	1975
1976	---	---	0	0.006	1.01	0.113	0.530	0.823	0.115	0.064	---	---	0.312	1976
1977	---	---	0.037	2.92	2.45	0.104	0.883	0.902	0.061	0.009	---	---	0.880	1977
1978	---	---	0	1.85	2.30	0.387	1.58	0	0	0	---	---	0.760	1978
1979	---	---	0	0.962	2.14	0.918	1.02	0.362	0.073	0.011	---	---	0.876	1979
1980	---	---	0.062	2.02	2.26	0.364	2.36	0.532	0.139	0	---	---	0.967	1980
1981	---	---	1.02	2.84	2.22	0.324	1.19	0.307	0.123	0.028	---	---	0.985	1981
1982	---	---	0	0.002	0.781	0.537	0.383	0.702	0.118	0.072	---	---	0.319	1982
1983	---	---	0.078	0.237	0.622	1.14	1.26	0.312	0.173	0.002	---	---	0.484	1983
1984	---	---	0.173	3.11	3.87	0.180	1.90	0.234	0.068	0	---	---	1.17	1984
1985	---	---	0.882	0.364	2.02	0.503	2.89	0.107	0.073	0	---	---	0.876	1985
1986	---	0.183	0.877	0.018	1.38	1.18	2.06	0.208	0.159	0	---	---	0.731	1986
MEAN	---	0.183	0.183	1.11	0.956	0.689	0.789	0.442	0.178	0.133	0.387	---	0.850	MEAN

LOCATION - LAT 50 18 03 N
LONG 107 46 43 W REGULATED

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO 05HD034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	1.17 ON SEP 26	0 ON JUN 26 *	---	1946
1947	---	1.81 ON SEP 13	0 ON MAY 1	---	1947
1951	---	1.33 ON JUL 26	0 ON MAY 1	---	1951
1952	---	0.787 ON JUN 20	0 ON JUN 1	---	1952
1953	---	1.15 ON JUL 20	0B ON MAR 1	3 030	1953
1954	---	0.776 ON AUG 3	0B ON MAR 1	2 060	1954
1955	---	0.785 ON JUN 10	0 ON MAY 1	---	1955
1956	---	0.881 ON JUL 27	0 ON MAR 1	3 000	1956
1957	---	3.13 ON JUL 21	0B ON MAR 1	7 950	1957
1958	---	2.86 ON APR 9	0 ON MAY 5	12 500	1958
1959	---	3.45 ON MAY 6	0B ON MAR 1	20 800	1959
1960	---	1.10 ON AUG 3	0B ON MAR 1	4 820	1960
1961	---	3.71 ON APR 27	0B ON MAR 1	25 800	1961
1962	---	4.30 ON APR 30	0B ON MAR 1	2 800	1962
1963	---	3.99 ON APR 12	0B ON MAR 1	11 600	1963
1964	---	3.37 ON MAY 4	0B ON MAR 1	25 300	1964
1965	---	1.01 ON JUN 10	0B ON MAR 1	2 850	1965
1966	---	1.72 ON AUG 7	0B ON MAR 1	6 060	1966
1967	---	3.13 ON JUN 11	0B ON MAR 1	7 210	1967
1968	---	4.76 ON APR 21	0 ON MAR 1	14 700	1968
1969	---	3.23 ON OCT 26	0B ON MAR 1	6 060	1969
1970	---	2.12 ON JUN 8	0 ON MAR 1	5 100	1970
1971	---	1.78 ON MAY 31	0B ON MAR 1	5 220	1971
1972	---	3.46 ON APR 7	0B ON MAR 1	17 700	1972
1973	---	3.26 ON APR 10	0B ON MAR 1	15 800	1973
1974	---	1.68 ON JUL 31	0 ON MAR 1	3 850	1974
1975	---	1.73 ON JUL 20	0 ON MAR 1	4 800	1975
1976	---	1.96 ON JUL 26	0 ON MAR 1	6 820	1976
1977	---	3.51 ON MAY 2	0B ON MAR 1	18 400	1977
1978	---	3.40 ON APR 19	0B ON MAR 1	15 700	1978
1979	---	3.1[illegible] ON MAY 13	0B ON MAR 1	14 300	1979
1980	---	2.92 ON JUL 14	0B ON MAR 1	20 500	1980
1981	---	2.74 ON APR 7	0 ON MAR 1	20 400	1981
1982	---	2.35 ON MAY 23	0 ON MAR 1	6 750	1982
1983	---	2.29 ON MAY 27	0B ON MAR 1	9 820	1983
1984	---	4.55 ON APR 19	0 ON MAR 1	24 800	1984
1985	---	5.17 ON JUL 10 *	0B ON MAR 1	10 500	1985
1986	---	3.62 ON MAY 23	0 ON APR 3	15 500	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 800	MEAN

SWIFT CURRENT CREEK ABOVE DUNCAIRN RESERVOIR - STATION NO. 05HD031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	...	...	0.526	5.35	0.780	0.502	0.334	0.085	0.068	0.212	...	...	1.02	1944
1945	...	...	7.53	1.32	0.866	0.522	0.128	0.010	0.008	0.306	...	...	1.34	1945
1946	...	...	6.85	1.62	0.515	0.214	0.089	0.010	0.073	0.370	...	...	1.48	1946
1947	...	...	5.92	6.66	1.40	0.723	0.127	0.035	0.066	0.206	...	...	1.91	1947
1948	...	...	2.29	5.39	1.46	0.436	0.156	0.032	0.002	0.036	...	...	1.33	1948
1949	...	...	1.24	3.11	0.334	0.138	0.226	0.382	0.003	0.089	...	...	0.680	1949
1950	...	...	0.574	19.4	1.72	0.526	0.185	0.177	0.281	0.347	...	...	2.85	1950
1951	...	...	0.346	24.3	5.77	1.13	0.612	0.311	1.10	1.35	...	...	4.28	1951
1952	...	...	0.879	57.5	2.00	0.260	0.640	0.170	0.284	0.376	...	...	7.63	1952
1953	...	...	9.93	5.13	2.38	3.22	0.281	0.101	0.070	0.165	...	...	2.68	1953
1954	...	...	0.683	12.4	1.36	1.05	0.530	0.612	0.020	0.030	...	...	2.22	1954
MEAN	...	...	3.54	13.0	1.70	0.791	0.273	0.184	0.282	0.373	...	...	2.49	MEAN

LOCATION - LAT 49 57 30 N DRAINAGE AREA, 1 820 km²
LONG 108 11 00 W NATURAL FLOW

SWIFT CURRENT CREEK ABOVE DUNCAIRN RESERVOIR - STATION NO. 05HD031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	...	22.7 B ON APR 6	0 B ON MAR 1 *	21 800	1944
1945	...	20.4 B ON MAR 13	0 ON AUG 23	28 500	1945
1946	...	14.0 B ON MAR 14	0 ON AUG 4	30 700	1946
1947	...	20.0 B ON MAR 22	0.018 ON SEP 13	40 500	1947
1948	...	22.1 ON APR 19	0 B ON MAR 1	28 100	1948
1949	...	8.38 ON APR 5	0 ON SEP 10	14 400	1949
1950	...	68.5 ON APR 16	0 B ON MAR 1	60 400	1950
1951	...	84.0 ON APR 9	0 B ON MAR 1	90 700	1951
1952	...	176 ON APR 16 *	0.085 ON AUG 16	101 000	1952
1953	...	53.8 B ON MAR 29	0.003 ON SEP 22	56 400	1953
1954	...	61.0 B ON APR 9	0.002 ON JUL 20	47 100	1954
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		52 700	MEAN

SWIFT CURRENT CREEK AT POLLOCK'S RANCH - STATION NO. 05HD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	...	...	...	...	...	0.100	0.082	0.020	0.009	0.013	...	...	...	1909
1910	...	...	...	0.080	0.018	0.026	0.024	0.021	0.022	0.040	...	...	0.032	1910
1911	...	...	...	...	...	0.027	0.026	0.025	0.040	0.052	...	...	...	1911
1912	...	...	...	...	0.108	0.046	0.021	0.033	0.036	0.044	...	...	...	1912
1913	...	...	...	...	0.053	0.038	0.028	0.027	0.032	0.042	...	...	...	1913
1914	...	...	...	0.087	0.065	0.036	0.017	0.035	0.040	0.050	...	...	0.043	1914
1915	...	...	...	0.107	0.068	0.083	0.038	0.043	0.040	0.041	...	...	0.066	1915
1916	...	...	...	0.277	0.088	0.116	0.082	0.041	0.029	0.044	...	...	0.095	1916
MEAN	...	...	...	0.134	0.063	0.066	0.039	0.032	0.034	0.041	...	...	0.067	MEAN

LOCATION - LAT 49 36 30 N DRAINAGE AREA, 97.2 km²
LONG 108 45 30 W NATURAL FLOW

SWIFT CURRENT CREEK AT POLLOCK'S RANCH - STATION NO. 05HD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	...	...	...	...	1909
1910	...	0.278 ON JUL 23	0.004 ON JUN 27 *	886	1910
1911	...	...	...	...	1911
1912	...	...	...	...	1912
1913	...	...	...	...	1913
1914	...	0.150 ON OCT 8	0.011 ON JUL 11	782	1914
1915	...	0.280 ON JUN 16	0.016 ON JUL 8	1 030	1915
1916	...	1.56 ON JUN 17 *	0.021 ON AUG 22	1 760	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 040	MEAN

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (LOWER STATION) - STATION NO. 05MD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.405	0.204	0.203	0.381	0.390	---	---	---	1910
1911	---	---	---	---	---	0.618	0.480	0.345	0.850	0.726	---	---	---	1911
1912	---	---	---	---	---	1.12	0.478	0.290	0.427	0.569	---	---	---	1912
1913	---	---	---	---	0.870	0.620	0.332	0.145	0.226	0.370	---	---	---	1913
1914	---	---	---	2.90	0.631	0.524	0.083	0.031	0.359	0.940	---	---	---	1914
1915	---	---	---	2.35	1.43	1.82	1.24	0.285	0.445	0.787	---	---	---	1915
1916	---	---	---	2.76	1.74	2.13	0.977	0.499	0.500	0.858	---	---	---	1916
1917	---	---	---	---	4.57	1.02	0.356	0.124	0.381	---	---	---	---	1917
1918	---	---	---	2.92	0.778	0.396	0.187	0.248	0.377	0.451	---	---	---	1918
1919	---	---	---	3.04	0.822	0.242	0.071	0.062	0.203	0.308	---	---	---	1919
1920	---	---	2.03	0.77	2.10	0.889	0.370	0.095	0.185	0.383	---	---	1.59	1920
1921	---	---	1.29	3.70	1.41	0.424	0.283	0.126	0.350	0.449	---	---	0.898	1921
1922	---	---	0.293	0.98	2.96	0.589	0.476	0.331	0.223	0.202	---	---	1.80	1922
1923	---	---	0.793	3.04	0.736	0.752	0.570	0.288	0.200	0.312	---	---	0.831	1923
1924	---	---	0.880	2.45	0.651	0.881	0.486	0.339	0.133	0.374	---	---	0.844	1924
1925	---	---	4.99	8.41	0.767	0.757	0.133	0.109	0.216	0.535	---	---	1.71	1925
1926	---	---	0.87	1.27	0.472	0.388	0.145	0.108	0.248	0.335	---	---	0.898	1926
1927	---	---	1.18	9.94	5.78	1.89	2.06	0.460	0.536	0.775	---	---	2.81	1927
1935	---	---	---	---	---	---	---	---	---	0.230	---	---	---	1935
1936	---	---	1.73	8.28	1.14	0.873	---	---	---	---	---	---	---	1936
MEAN	---	---	2.01	4.77	1.85	0.838	0.485	0.228	0.347	0.505	---	---	1.42	MEAN

LOCATION - LAT. 49 49 00 N DRAINAGE AREA, 815 km²
LONG 109 33 10 W NATURAL FLOW

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (LOWER STATION) - STATION NO. 05MD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 E ON AUG 20 *	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	11.3 E ON APR 3	---	---	1919
1920	---	16.9 E ON APR 14	0.0288 ON MAR 1	33 700	1920
1921	---	10.8 ON APR 14	0.099 ON SEP 3	31 200	1921
1922	---	24.4 ON APR 22 *	0 E ON MAR 1	38 200	1922
1923	---	8.695 ON APR 15	0.161 ON SEP 3	17 600	1923
1924	---	11.6 E ON APR 8	0.0318 ON MAR 7	13 600	1924
1925	---	21.8 E ON MAR 25	0.048 ON AUG 23	38 000	1925
1926	---	17.0 ON MAR 19	0.052 ON JUL 25	21 100	1926
1927	---	19.3 ON APR 6	0.0888 ON MAR 1	59 500	1927
1935	---	---	---	---	1935
1936	---	22.9 E ON APR 12	0 E ON MAR 1	---	1936
				30 100	MEAN

E - 100 CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (UPPER STATION) - STATION NO. 05MD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.038	0.010	0.048	0.052	---	---	---	1910
1911	---	---	---	---	---	0.155	0.103	0.041	0.363	0.148	---	---	---	1911
1912	---	---	---	---	---	---	0.113	0.092	0.097	0.125	---	---	---	1912
1913	---	---	---	---	0.317	0.230	0.080	0.027	0.026	0.096	---	---	---	1913
1914	---	---	---	1.23	0.183	0.125	0.018	0.012	0.151	0.257	---	---	0.277	1914
1915	---	---	---	---	0.887	0.850	0.407	0.083	0.087	0.098	---	---	---	1915
1916	---	---	---	1.27	0.613	0.765	0.378	0.168	0.161	0.340	---	---	0.557	1916
MEAN	---	---	---	1.25	0.488	0.389	0.181	0.059	0.133	0.160	---	---	0.417	MEAN

LOCATION - LAT. 49 49 00 N DRAINAGE AREA, 372 km²
LONG 109 33 10 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1918

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (UPPER STATION) - STATION NO. 05HD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	2.94 ON APR 8 *	0 ON JUL 30	5 120	1914
1915	---	---	---	---	1915
1916	---	2.83 ON MAY 27	0.093 ON JUL 18	10 300	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 710	MEAN

SWIFT CURRENT CREEK AT SWIFT CURRENT - STATION NO. 05HD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	1.05	0.607	0.424	0.262	0.516	0.411	---	---	---	1910
1911	---	---	---	12.1	2.16	1.13	0.769	0.472	1.39	0.904	---	---	---	1911
1912	---	---	---	---	3.66	2.58	0.757	0.690	0.835	1.21	0.822	0.323	---	1912
1913	---	---	---	---	1.57	1.28	0.968	0.297	0.134	0.534	---	---	---	1913
1926	0.113	0.387	19.4	2.25	1.18	0.719	0.387	0.134	0.413	0.898	0.628	0.165	3.18	1926
1927	0.074	0.007	1.98	20.1	9.42	4.62	4.31	0.815	0.657	0.997	0.817	0.291	5.28	1927
1928	5.65	2.15	9.95	3.50	1.58	2.10	1.84	0.515	0.385	0.715	0.607	0.348	2.58	1928
1929	0.222	0.074	3.57	4.70	1.96	1.36	0.436	0.044	0.108	0.428	0.414	0.191	1.57	1929
1930	0.046	5.83	4.26	6.87	1.03	0.976	0.536	0.062	0.546	0.939	1.03	0.617	1.96	1930
1931	0.456	0.625	0.933	---	---	---	---	---	---	---	---	---	---	1931
1932	---	---	---	2.82	1.53	0.863	0.654	0.187	0.652	0.502	---	---	---	1932
1934	---	---	---	2.97	0.823	1.03	0.164	0.008	0.033	0.483	---	---	---	1934
1935	---	---	---	5.66	1.73	0.928	0.845	0.224	0.080	0.175	---	---	---	1935
1936	---	---	7.26	14.5	1.91	0.485	0.040	0	0	0.110	---	---	3.02	1936
1937	---	---	0.756	4.18	0.818	0.304	0.052	0	0	---	---	---	0.783	1937
1938	---	---	5.81	7.21	2.20	0.802	0.282	0.089	0.046	0.158	---	---	2.57	1938
1939	---	---	12.8	2.23	1.85	5.73	0.881	0.203	0.180	0.135	---	---	2.89	1939
1940	---	---	4.11	18.5	1.56	0.879	0.078	0.063	0.032	0.153	---	---	2.12	1940
1944	---	---	---	---	0.785	0.857	0.535	1.11	0.595	0.820	---	---	---	1944
1945	---	---	---	1.18	0.780	0.704	1.21	1.13	0.442	0.493	---	---	---	1945
1946	---	---	---	---	---	1.36	1.33	1.07	0.934	0.718	---	---	---	1946
1947	---	---	2.73	19.3	2.11	1.35	1.22	0.958	0.891	0.587	---	---	2.26	1947
1948	---	---	1.78	4.48	1.15	1.87	1.41	0.784	0.915	1.16	---	---	1.86	1948
1949	---	---	2.22	1.37	0.472	0.389	0.478	0.269	0.529	0.283	---	---	0.750	1949
1950	---	---	0.758	12.4	1.81	1.82	2.17	1.77	1.46	0.849	---	---	2.83	1950
1951	---	---	0.946	22.9	10.7	2.76	1.76	1.18	1.41	1.83	---	---	5.29	1951
1952	---	---	1.41	64.4	10.8	5.80	2.17	2.54	2.58	5.99	---	---	11.9	1952
1953	---	---	7.71	9.15	2.11	3.82	1.51	1.10	0.988	0.204	---	---	3.31	1953
1954	---	---	0.577	4.05	1.06	0.678	0.872	0.656	0.700	0.635	---	---	1.17	1954
1955	---	---	2.84	40.9	2.78	1.72	9.82	1.78	1.74	1.06	---	---	7.74	1955
1956	---	---	4.60	4.59	1.21	0.919	0.917	1.10	0.485	0.998	---	---	1.81	1956
1957	---	---	5.35	4.38	0.708	0.871	0.368	0.489	0.359	0.855	---	---	1.64	1957
1958	---	---	4.67	14.9	1.15	0.580	0.516	1.15	0.746	0.960	---	---	3.05	1958
1959	---	---	2.04	0.875	0.478	0.595	0.376	0.182	0.306	0.284	---	---	0.840	1959
1960	---	---	17.6	1.51	0.423	0.272	0.822	1.80	0.643	0.713	---	---	2.95	1960
1961	---	---	2.43	0.813	0.721	0.686	0.594	0.809	0.485	0.566	---	---	0.892	1961
1962	---	---	1.96	2.13	0.503	0.437	0.293	0.436	0.193	0.187	---	---	0.761	1962
1963	---	---	3.22	1.14	0.802	0.885	1.70	0.589	0.234	0.268	---	---	1.09	1963
1964	---	---	1.42	0.827	0.521	0.913	0.912	0.406	0.483	0.192	---	---	0.806	1964
1965	---	---	0.431	18.5	5.03	0.844	1.17	0.975	0.894	1.60	---	---	3.64	1965
1966	---	---	18.9	4.67	1.74	1.08	0.884	0.520	0.842	1.38	---	---	3.74	1966
1967	---	---	2.28	31.9	9.09	1.01	0.376	0.428	0.699	0.721	---	---	5.74	1967
1968	---	---	1.52	1.41	2.04	1.08	0.719	0.989	0.899	1.17	---	---	1.22	1968
1969	---	---	1.01	9.02	0.819	0.741	1.45	1.35	1.95	1.25	---	---	2.18	1969
1970	---	---	4.37	18.5	1.81	2.08	1.86	0.989	1.81	1.40	---	---	4.08	1970
1971	---	---	2.60	18.2	1.63	2.14	2.24	1.40	1.88	1.93	---	---	3.88	1971
1972	---	---	1.62	2.81	0.858	0.359	0.395	0.398	0.404	0.958	---	---	0.872	1972
1973	---	---	1.09	0.548	0.246	0.432	0.569	0.384	0.333	0.191	---	---	0.478	1973
1974	---	---	0.544	6.19	0.958	0.685	0.668	1.04	0.932	1.17	---	---	1.51	1974
MEAN	1.09	1.83	4.44	9.78	2.18	1.36	1.13	0.883	0.888	0.837	0.885	0.309	2.76	MEAN

LOCATION - LAT. 50 16 50 N DRAINAGE AREA 3 280 km^2
LONG 107 41 40 W REGULATED SINCE 1942

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930 AND 1968

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	...	...	0 ON JUL 31 *	...	1910
1911	...	...	...	...	1911
1912	...	...	...	...	1912
1913	...	...	...	...	1913
1926	...	122 B ON MAR 27	0 0032 ON AUG 1	87 300	1926
1927	...	64 7 B ON APR 2	0 0118 ON MAR 1	112 000	1927
1928	...	33 4 B ON MAR 20	0 113 ON AUG 22	94 600	1928
1929	...	10 7 B ON MAR 20	0 017 ON AUG 21	33 300	1929
1930	...	18 5 ON APR 6	0 001 ON AUG 13	41 400	1930
1931	...	...	...	...	1931
1932	...	...	0 ON AUG 20	...	1932
1934	...	...	0 ON AUG 3	...	1934
1935	...	...	...	...	1935
1936	...	52 8 ON APR 11	0 B ON MAR 1	83 900	1936
1937	...	16 0 B ON APR 13	0 B ON MAR 1	15 900	1937
1938	...	48 4 B ON MAR 19	0 005 ON SEP 3	54 500	1938
1939	...	62 1 B ON MAR 23	0 B ON MAR 1	93 200	1939
1940	...	127 ON APR 15	0 002 ON SEP 4	86 300	1940
1944	...	...	0 ON OCT 14	...	1944
1945	...	...	0 ON JUN 6	...	1945
1946	...	...	...	...	1946
1947	...	27 2 ON APR 11	0 ON AUG 7	96 200	1947
1948	...	32 6 B ON APR 17	0 097 ON JUL 9	35 100	1948
1949	...	3 43 ON APR 6	0 014 ON OCT 1	15 900	1949
1950	...	32 3 ON APR 16	0 2270 ON MAR 7	99 800	1950
1951	...	81 3 ON APR 12	0 5100 ON MAR 1	114 000	1951
1952	...	187 ON APR 12 *	0 020 ON JUL 2	252 000	1952
1953	...	95 4 B ON MAR 29	0 003 ON OCT 23	70 000	1953
1954	...	20 0 B ON APR 6	0 3888 ON APR 3	24 800	1954
1955	...	85 0 ON APR 6	0 2838 ON MAR 1	104 000	1955
1956	...	28 6 B ON MAR 26	0 235 ON SEP 16	38 300	1956
1957	...	35 4 B ON MAR 21	0 ON AUG 31	34 700	1957
1958	75 9 AT 13 45 MST ON APR 2 *	67 7 ON APR 2	0 057 ON APR 20	64 700	1958
1959	...	5 748 ON MAR 9	0 025 ON AUG 5	13 900	1959
1960	...	77 0 ON MAR 25	0 014 ON JUN 6	82 500	1960
1961	13 68 AT 15 00 MST ON MAR 14	13 6 B ON MAR 14	0 176 ON OCT 16	18 900	1961
1962	...	11 2 B ON MAR 27	0 085 ON AUG 18	16 100	1962
1963	...	31 1 B ON MAR 23	0 0548 ON MAR 1	23 200	1963
1964	...	7 76 ON JUN 14	0 048 ON JUN 28	14 100	1964
1965	...	64 1 B ON APR 10	0 133 ON SEP 28	77 000	1965
1966	...	47 6 B ON MAR 23	0 150 ON AUG 4	79 200	1966
1967	...	88 9 ON APR 14	0 221 ON JUL 15	121 000	1967
1968	...	5 698 ON MAR 1	0 0260 ON MAR 21	26 000	1968
1969	...	47 9 B ON APR 5	0 127 ON MAY 21	46 100	1969
1970	...	37 1 ON APR 7	0 389 ON AUG 15	86 300	1970
1971	49 3 ON APR 7	49 3 ON APR 7	0 4259 ON MAR 1	77 900	1971
1972	...	6 659 ON APR 6	0 040 ON JUN 6	18 500	1972
1973	...	2 33 ON APR 26	0 004 ON APR 5	10 100	1973
1974	...	24 6 B ON APR 10	0 135 ON JUL 18	33 000	1974
				55 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK BELOW PELLETIER CREEK - STATION NO. 05HD030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	1.10	1.07	0.763	0.775	0.630	1.02	0.811	1.03	---	---	1.18	1944
1945	---	---	2.00	0.895	0.814	1.01	2.19	1.52	0.820	0.569	---	---	1.35	1945
1946	---	---	5.07	1.65	1.07	2.65	1.90	0.943	1.24	1.01	---	---	1.99	1946
1947	---	---	2.19	0.61	1.65	1.20	1.14	0.785	1.05	1.50	---	---	2.17	1947
1948	---	---	0.386	1.31	1.07	1.29	1.03	1.23	1.08	3.58	---	---	1.85	1948
1949	---	---	0.918	1.02	1.03	2.59	2.43	0.636	0.905	0.253	---	---	1.28	1949
1950	---	---	0.565	9.28	1.71	1.58	3.18	2.83	1.69	0.833	---	---	2.90	1950
1951	---	---	0.908	19.6	9.59	3.07	2.81	1.59	1.27	1.70	---	---	5.05	1951
1952	---	---	0.565	55.6	10.2	5.35	2.84	2.07	2.93	5.78	---	---	10.7	1952
1953	---	---	4.50	6.95	1.82	2.78	1.67	1.16	0.835	0.931	---	---	2.84	1953
1954	---	---	0.537	1.98	0.884	0.841	1.11	0.784	0.866	0.955	---	---	0.837	1954
1955	---	---	2.06	39.6	2.37	1.96	7.70	3.21	2.16	2.06	---	---	7.54	1955
1956	---	---	3.09	3.30	1.18	1.43	1.59	1.37	0.802	0.858	---	---	1.71	1956
1957	---	---	4.12	4.30	0.788	1.45	1.58	1.36	0.891	0.841	---	---	1.86	1957
1958	---	---	1.78	16.2	1.91	1.37	1.25	1.48	1.17	0.710	---	---	2.16	1958
1959	---	---	0.388	2.80	2.01	1.57	0.586	0.837	0.265	0.482	---	---	1.43	1959
1960	---	---	11.5	1.02	0.837	1.21	1.11	1.23	1.02	0.805	---	---	2.33	1960
1961	---	---	2.26	4.38	0.996	1.22	2.16	1.72	2.56	1.70	---	---	2.13	1961
1962	---	---	1.47	4.15	0.980	0.869	1.26	0.870	0.238	0.176	---	---	1.26	1962
1963	---	---	1.56	2.61	0.714	1.26	2.02	1.28	0.846	0.971	---	---	1.49	1963
1964	---	---	0.698	2.76	2.83	0.864	2.76	2.27	1.24	0.100	---	---	1.82	1964
1965	---	---	0.572	12.7	4.18	1.31	1.64	1.56	0.818	1.70	---	---	3.09	1965
1966	---	---	11.6	4.33	1.82	1.78	1.35	1.45	0.898	1.84	---	---	3.18	1966
1967	---	---	1.78	31.6	5.86	2.18	1.34	2.13	0.939	0.809	---	---	6.07	1967
1968	---	---	1.24	6.41	2.12	2.07	2.73	1.84	0.887	2.33	---	---	2.19	1968
1969	---	---	2.06	7.85	1.10	1.93	2.23	2.89	2.10	1.56	---	---	2.66	1969
1970	---	---	2.78	17.7	1.86	3.75	3.30	2.28	2.01	1.80	---	---	4.12	1970
1971	---	---	3.73	16.5	1.88	2.45	3.48	2.07	2.16	1.83	---	---	4.13	1971
1972	---	---	1.79	5.97	2.86	0.765	1.69	0.806	0.706	0.591	---	---	1.83	1972
1973	---	---	0.985	2.46	2.82	0.987	2.31	0.783	0.239	0.212	---	---	1.25	1973
1974	---	---	0.360	2.79	0.919	1.46	1.49	1.24	0.876	1.05	---	---	1.28	1974
MEAN	---	---	2.60	9.48	2.47	1.75	2.10	1.58	1.19	1.23	---	---	2.78	MEAN

LOCATION - LAT 50 09 53 N DRAINAGE AREA 2 910 km²
LONG 107 53 47 W REGULATED SINCE 1942

SWIFT CURRENT CREEK BELOW PELLETIER CREEK - STATION NO. 05HD030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1944	---	9 910 ON APR 1	0 1700 ON MAR 1	26 900	1944
1945	---	11 2 B ON MAR 13	0 1700 ON MAR 1	28 600	1945
1946	12 8 ON MAR 13	12 6 ON MAR 13	0 362 ON OCT 29	42 200	1946
1947	19 6 B ON APR 10	12 1 B ON APR 10	0 4250 ON MAR 1	46 000	1947
1948	6 168 ON APR 18	4 60 ON OCT 11	0 1700 ON APR 5	26 900	1948
1949	---	3 11 ON MAY 30	0 178 ON AUG 29	27 100	1949
1950	43 3 B AT 00 00 CST ON APR 30	24 5 B ON APR 30	0 2278 ON APR 1	57 100	1950
1951	---	85 1 B ON APR 10	0 4500 ON MAR 1	107 000	1951
1952	185 AT 22 00 CST ON APR 11 *	142 ON APR 12 *	0 006 ON AUG 23	226 000	1952
1953	---	33 6 B ON MAR 26	0 025 ON JUL 23	53 600	1953
1954	---	5 858 ON APR 6	0 245 ON AUG 20	17 700	1954
1955	75 9 AT 19 30 CST ON APR 7	70 2 B ON APR 1	0 1420 ON MAR 16	159 000	1955
1956	23 5 B AT 20 00 CST ON MAR 24	16 2 B ON MAR 26	0 3960 ON MAR 1	36 100	1956
1957	---	20 8 B ON MAR 31	0 292 ON OCT 26	39 600	1957
1958	86 5 AT 16 00 CST ON APR 2	65 1 ON APR 2	0 2270 ON MAR 15	86 600	1958
1959	---	6 230 ON APR 5	0 198 ON AUG 27	30 200	1959
1960	---	55 5 ON MAR 25	0 2830 ON MAR 1	49 400	1960
1961	---	8 168 ON MAR 13	0 4250 ON MAR 10	45 100	1961
1962	---	6 400 ON APR 8	0 099 ON OCT 16	26 700	1962
1963	---	9 468 ON MAR 22	0 266 ON MAY 11	31 500	1963
1964	---	4 50 ON MAY 3	0 ON OCT 2 *	40 800	1964
1965	---	48 1 B ON APR 19	0 3570 ON APR 4	64 500	1965
1966	---	35 4 B ON MAR 19	0 042 ON SEP 22	65 600	1966
1967	93 4 AT 15 00 CST ON APR 14	81 2 ON APR 14	0 343 ON OCT 14	126 000	1967
1968	---	9 37 ON APR 15	0 031 ON OCT 1	45 300	1968
1969	---	31 1 B ON APR 3	0 0788 ON MAR 12	56 400	1969
1970	---	36 5 ON APR 11	0 729 ON MAY 19	87 300	1970
1971	---	31 6 ON APR 6	0 3600 ON MAR 11	87 400	1971
1972	---	9 882 ON APR 3	0 280 ON SEP 17	46 800	1972
1973	---	6 11 ON APR 10	0 122 ON SEP 26	26 600	1973
1974	---	14 5 ON APR 12	0 238 ON MAY 8	29 700	1974
				59 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK BELOW REID LAKE - STATION NO 05HD041

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.387	0.475	3.37	1.83	3.36	1.10	1.26	1.27	1.08	0.871	---	1975
1976	1.06	0.932	5.46 R	1.50	2.29	1.41	1.83	2.26	1.45	1.11	0.926	0.856	1.77 R	1976
1977	0.871	0.912	0.525	3.67	3.24	0.829	2.06	1.03	0.455	0.503	0.417	0.385	1.25	1977
1978	0.395	0.412	0.436	2.05	2.38	0.847	2.38	0.898	0.758	0.858	0.519	0.486	1.01	1978
1979	0.573	0.521	0.444	6.47	3.61	1.84	2.42	1.57	1.10	0.845	0.815	0.801	1.75	1979
1980	0.773	0.738	0.853	2.55	2.97	0.976	3.17	0.837	0.885	0.485	0.469	0.330	1.28	1980
1981	0.326	0.385	1.51	3.26	3.16	0.501	2.58	0.996	0.613	0.378	0.405	0.434	1.22	1981
1982	0.416	0.429	0.421	0.219	1.20	1.15	1.87	2.07	1.30	0.678	0.582	0.756	0.913	1982
1983	0.830	0.795	0.504	0.839	2.63	1.97	2.43	1.83	0.323	0.653	0.737	0.762	1.21	1983
1984	0.710	0.684	0.414	3.87	4.49	1.19	2.12	1.20	0.384	0.132	0.410	0.441	1.34	1984
1985	0.534	0.548	0.203	0.329	3.35	1.07	4.47	0.482	0.313	0.088	0.391	0.832	1.04	1985
1986	0.884	0.653	0.188	0.180	1.83	2.31	8.80	1.00	0.551	0.535	0.699	0.845	1.52	1986
MEAN	0.661	0.637	0.948R	2.13	2.86	1.33	3.11	1.26	0.783	0.806	0.821	0.842	1.30	MEAN

LOCATION - LAT 50 04 51 N LONG 108 02 40 W
DRAINAGE AREA, 2 470 km²
REGULATED

R - REVISED SINCE JAN 1986

SWIFT CURRENT CREEK BELOW REID LAKE - STATION NO 05HD041

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	9.84 AT 22 37 CST ON MAY 12	9.71 ON MAY 13	0.8 ON MAR 21 *	---	1975
1976	29.3 R AT 19 34 CST ON MAR 21 *	28.7 R ON MAR 22 *	0.731 ON DEC 31	56 100R	1976
1977	5.44 AT 08 56 CST ON MAY 11	5.41 ON MAY 10	0.330 ON AUG 16	39 400	1977
1978	5.44 AT 16 51 CST ON JUL 20	5.10 ON JUL 20	0.289 ON APR 5	31 800	1978
1979	20.8 AT 18 39 CST ON APR 21	20.7 ON APR 21	0.414 ON MAR 21	55 300	1979
1980	---	3.75 ON JUL 24	0.300 ON DEC 28	39 700	1980
1981	4.12 AT 17 49 CST ON JUL 18	3.84 ON JUL 13	0.3098 ON JAN 16	38 500	1981
1982	---	3.70 ON JUL 30	0.095 ON APR 10	24 800	1982
1983	9.77 AT 18 49 CST ON MAY 11	7.88 ON MAY 12	0.204 ON SEP 14	38 000	1983
1984	5.51 AT 14 10 CST ON APR 27	5.48A ON APR 25	0.043 ON OCT 28	42 300	1984
1985	6.52 AT 21 48 CST ON JUL 12	5.97 ON JUL 5	0.002 ON MAR 15	32 900	1985
1986	12.6 AT 18 32 CST ON JUL 8	12.4 ON JUL 8	0.055 ON MAR 3	47 900	1986
				41 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO 05HD035

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	2.28	20.0	3.16	0.866	2.76	0.301	0.110	0.386	---	---	---	1955
1956	---	---	2.95	3.22	1.22	0.689	0.366	0.084	0.168	0.331	---	---	---	1956
1957	---	---	4.34	3.65	1.01	0.418	0.071	0.008	0.016	0.176	---	---	---	1957
1958	---	---	2.24	10.8	0.835	0.081	0.221	0.010	0.039	0.313	---	---	---	1958
1959	---	---	3.80	2.36	0.862	0.991	0.456	0.039	0.098	0.495	---	---	---	1959
1960	---	---	8.33	1.50	0.940	0.348	0.078	0.007	0	0.042	---	---	---	1960
1961	---	---	2.56	0.989	0.619	0.180	0.002	0	0	0.054	---	---	---	1961
1962	---	---	3.24	2.88	0.520	0.634	0.782	0.089	0.026	0.288	---	---	---	1962
1963	---	---	5.91	1.70	0.877	0.767	0.399	0.066	0	0.039	---	---	---	1963
1964	---	---	1.09	2.23	1.06	0.830	0.307	0.014	0.414	0.318	---	---	---	1964
1965	---	---	0.170	15.5	2.30	0.822	0.877	0.846	0.939	0.469	---	---	---	1965
1966	---	---	8.40	2.65	1.15	0.905	0.404	0.311	0.085	0.287	---	---	---	1966
1967	---	---	4.05	15.3	7.16	0.758	0.092	0.010	0.096	0.224	---	---	---	1967
1968	---	---	2.24	1.18	0.710	0.352	0.114	0.078	0.135	0.259	---	---	---	1968
1969	---	---	3.24	9.78	1.41	0.247	2.09	0.123	0.012	0.511	---	---	---	1969
1970	---	---	3.00	10.8	2.19	0.829	0.268	0.053	0.015	0.178	---	---	---	1970
1971	---	---	1.34	10.2	1.48	0.413	0.102	0.004	0.007	0.115	---	---	---	1971
1972	---	---	4.71	1.10	0.933	0.467	0.071	0.011	0.031	0.220	---	---	---	1972
1973	---	---	1.93	1.17	0.746	0.725	0.077	0.005	0	0.123	---	---	---	1973
1974	---	---	1.09	4.36	2.37	0.621	0.522	0.200	0.158	0.242	---	---	---	1974
1975	---	---	0.454	8.03	5.11	0.984	0.128	0.274	0.457	0.778	---	---	---	1975
1976	---	0.841	5.70	2.91	0.606	1.28	0.201	0.021	0.001	0.054	---	---	---	1976
1977	---	---	1.12	1.43	0.618	0.136	0.090	0.018	0.023	0.224	---	---	---	1977
1978	---	---	3.87	3.88	1.21	0.410	0.114	0.049	0.093	0.259	0.287	0.213	---	1978
1979	0.186	0.182	4.39	8.71	2.53	0.494	0.185	0.080	0.021	0.159	0.187	0.133	1.27	1979
1980	0.154	0.150	0.843	1.47	0.320	0.215	0.187	0.053	0.077	0.225	0.303	0.882	0.389	1980
1981	0.467	1.52	1.11	0.604	0.387	1.11	0.137	0.018	0.005	0.084	0.189	0.108	0.485	1981
1982	0.026	0.837	2.89	8.70	1.88	3.23	1.05	0.181	0.053	0.411	0.248	0.184	1.80	1982
1983	0.242	1.11	2.33	2.56	1.44	0.208	0.481	0.037	0.002	0.128	0.303	0.148	0.745	1983
1984	0.102	0.307	0.834	0.934	0.362	0.173	0.012	0.002	0.003	0.101	0.217	0.129	0.294	1984
1985	0.087	0.051	1.40	5.91	0.931	0.186	0.008	0.001	0.159	0.384	0.208	0.126	0.867	1985
1986	0.589	3.40	4.41	0.928	1.78	0.288	0.257	0.116	0.566	0.747	0.844	0.333	1.15	1986
MEAN	0.233	0.931	3.01	5.19	1.50	0.639	0.407	0.080	0.121	0.269	0.272	0.228	0.844	MEAN

LOCATION - LAT 49 50 39 N LONG 108 28 46 W
DRAINAGE AREA, 1 430 km²
NATURAL FLOW

REMARKS - GAUGE LOCATED IN NW07-11-18-W3 PRIOR TO 1975 AND PUBLISHED AS "SWIFT CURRENT CREEK AT HIGHWAY NO 37"

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO 05HD036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	92.9 AT 15 30 MST ON APR 10 *	85.2 ON APR 10 *	0.025 ON SEP 7	---	1955
1956	12.0 B AT 18 50 MST ON MAR 26	11.6 B ON MAR 26	0 B ON MAR 1 *	---	1956
1957	---	26.5 B ON MAR 21	0 ON JUL 19	---	1957
1958	57.8 B AT 18 00 MST ON APR 1	52.1 B ON APR 2	0 ON AUG 24	---	1958
1959	10.3 AT 18 00 MST ON JUN 28	8.72 ON JUN 28	0 ON AUG 11	---	1959
1960	49.3 B AT 23 00 MST ON MAR 19	43.0 B ON MAR 20	0 ON AUG 17	---	1960
1961	9.468 AT 22 00 MST ON MAR 19	7.908 ON MAR 18	0 ON JUL 11	---	1961
1962	22.8 B AT 09 00 MST ON MAR 27	22.5 B ON MAR 27	0 ON JUL 10	---	1962
1963	---	21.2 B ON MAR 24	0 ON AUG 22	---	1963
1964	---	7.828 ON APR 4	0 ON AUG 9	---	1964
1965	61.4 AT 17 00 MST ON APR 14	57.6 ON APR 14	0.0148 ON MAR 21	---	1965
1966	---	31.7 B ON MAR 16	0 ON SEP 25	---	1966
1967	52.1 B AT 18 00 MST ON APR 11	45.3 B ON APR 10	0.003 ON SEP 4	---	1967
1968	6.998 AT 12 45 MST ON MAR 8	6.038 ON MAR 8	0.028 ON AUG 5	---	1968
1969	50.1 AT 01 07 MST ON APR 5	37.1 ON APR 5	0.008 ON SEP 14	---	1969
1970	42.8 B AT 02 41 MST ON APR 8	34.6 B ON APR 8	0.001 ON SEP 6	---	1970
1971	34.0 B AT 08 27 CST ON APR 8	30.9 B ON APR 7	0 ON AUG 20	---	1971
1972	19.8 B AT 08 10 CST ON MAR 19	18.5 B ON MAR 19	0 ON SEP 1	---	1972
1973	5.27 AT 08 15 CST ON MAR 26	3.17 ON MAR 26	0 ON AUG 27	---	1973
1974	11.9 B AT 02 45 CST ON APR 11	10.7 B ON APR 10	0.0288 ON MAR 1	---	1974
1975	34.3 AT 00 45 CST ON APR 25	30.9 ON APR 25	0.034 ON JUL 29	---	1975
1976	36.6 B AT 22 17 CST ON MAR 19	33.7 B ON MAR 19	0 ON AUG 27	---	1976
1977	3.948 AT 01 07 CST ON APR 8	3.318 ON APR 8	0 ON SEP 8	---	1977
1978	---	15.3 B ON MAR 31	0 ON AUG 16	---	1978
1979	23.7 B AT 23 08 CST ON APR 19	16.8 B ON APR 20	0.008 ON SEP 17	40 100	1979
1980	4.878 AT 22 07 CST ON MAR 20	3.468 ON MAR 20	0.021 ON AUG 5	12 300	1980
1981	7.328 AT 02 15 CST ON FEB 18	6.518 ON FEB 18	0.003 ON SEP 4	14 700	1981
1982	45.3 B AT 20 33 CST ON APR 13	36.2 B ON APR 14	0 ON SEP 5	50 300	1982
1983	20.4 AT 18 59 CST ON MAR 31	15.7 ON MAR 31	0 ON JUN 27	23 500	1983
1984	2.538 AT 08 20 CST ON MAR 25	2.338 ON MAR 26	0 ON JUL 13	8 330	1984
1985	22.0 B AT 22 02 CST ON APR 3	19.8 B ON APR 4	0 ON JUL 23	27 300	1985
1986	31.9 B AT 01 45 CST ON FEB 28	27.7 B ON FEB 28	0.005 ON SEP 2	36 300	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		26 600	MEAN

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO 05HD039

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	1.03	0.946	0.404	0.385	0.195	0.253	0.286	0.364	0.376	0.486	---	1973
1974	0.122	0.184	0.159	9.67	2.02	0.995	0.606	1.10	1.02	1.37	0.947	0.493	1.54	1974
1975	0.217	0.089	0.255	5.38	4.18	1.57	1.06	1.38	1.38	1.69	1.02	0.557	1.57	1975
1976	0.527	0.697	11.5	3.86	1.23	2.45	1.26	1.69	1.70	1.83	1.06	0.861	2.37	1976
1977	0.758	1.10	0.850	0.467	1.21	0.429	0.578	0.361	0.446	0.878	0.338	0.221	0.635	1977
1978	0.138	0.155	2.04	2.37	0.901	0.650	0.395	0.493	0.651	0.762	0.585	0.403	0.798	1978
1979	0.078	0.072	3.84	7.03	2.87	1.04	0.822	1.05	1.26	1.32	0.770	0.561	1.71	1979
1980	0.502	0.533	2.86	1.17	0.318	0.209	0.646	0.516	0.651	0.769	0.511	0.764	0.783	1980
1981	0.758	2.08	0.979	0.619	0.266	0.595	0.654	0.487	0.442	0.529	0.619	0.383	0.891	1981
1982	0.193	0.261	5.26	5.88	0.982	1.36	2.81	1.41	1.35	1.18	0.640	0.843	1.82	1982
1983	0.711	1.23	2.40	2.89	2.81	0.556	1.17	1.38	0.812	0.883	0.823	0.769	1.38	1983
1984	0.428	0.778	1.29	0.843	0.561	0.525	0.196	0.404	0.458	0.315	0.412	0.258	0.545	1984
1985	0.136	0.135	2.58	1.45	0.610	0.268	0.147	0.220	0.275	0.268	0.123	0.026	0.523	1985
1986	0.485	2.06	1.40	0.481	0.757	0.254	0.322	0.279	0.350	0.526	0.416	0.300	0.825	1986
MEAN	0.395	0.717	2.69	3.08	1.37	0.812	0.783	0.784	0.792	0.896	0.616	0.480	1.15	MEAN

LOCATION - LAT 50 28 38 N DRAINAGE AREA 3 730 km^2
LONG 107 39 31 W REGULATED

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO 05HD039

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	2.29 ON APR 30	---	---	1973
1974	---	32.8 B ON APR 15	0.0278 ON MAR 19	48 700	1974
1975	---	34.0 B ON APR 22	0.0828 ON JAN 30	49 500	1975
1976	---	63.1 B ON MAR 24 *	0.5108 ON MAR 2	75 000	1976
1977	5.15 AT 21 25 CST ON MAY 27	2.80 ON MAY 30	0.153 ON JUN 14	20 000	1977
1978	---	6.378 ON MAR 30	0.1188 ON JAN 20	25 100	1978
1979	35.7 B AT 17 58 CST ON APR 19	27.8 B ON APR 19	0.0058 ON FEB 22	54 000	1979
1980	8.228 AT 05 09 CST ON MAR 21	6.448 ON MAR 21	0.058 ON JUN 2	25 100	1980
1981	42.5 AT 15 49 CST ON JUL 18	10.0 B ON FEB 19	0.0318 ON JAN 18	21 800	1981
1982	42.7 B AT 20 57 CST ON APR 13	30.2 B ON MAR 17	0.0028 ON JAN 16 *	57 400	1982
1983	80.9 AT 18 14 CST ON JUL 20 *	18.9 B ON APR 1	0.1708 ON DEC 29	43 700	1983
1984	6.908 AT 15 24 CST ON MAR 24	5.348 ON MAR 24	0.007 ON JUL 22	17 300	1984
1985	12.2 B AT 15 16 CST ON MAR 17	7.538 ON MAR 18	0.0048 ON DEC 7	15 500	1985
1986	53.5 B AT 15 04 CST ON FEB 27	25.4 B ON FEB 27	0.0348 ON JAN 6	19 700	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		36 400	MEAN

SWIFT CURRENT CREEK NEAR SWIFT CURRENT - STATION NO 05MD033

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0.034	0.032	3.41	6.07	1.22	0.783	0.266	0.015	0.847	1.24	0.573	0.324	1.24	1914
1915	0.173	0.107	2.99	5.75	2.02	2.44	2.27	0.842	0.830	1.11	0.736	0.362	1.94	1915
1916	0.106	0.388	23.4	8.31	3.35	2.56	7.51	1.75	1.25	1.43	0.258	0.276	4.33	1916
1917	0.251	0.063	0.087	38.2	10.2	2.42	1.43	0.797	1.86	1.55	1.30	0.248	4.84	1917
1918	0.097	0.383	28.6	7.17	1.85	0.956	0.357	0.238	0.192	1.40	0.610	0.265	3.55	1918
1919	0.152	0.346	0.518	5.16	1.82	0.322	0.089	0.086	0.185	0.415	0.851	0.179	0.818	1919
1920	0.001	0	7.10	9.30	2.98	1.42	0.824	0.129	0.286	0.852	0.579	0.349	1.97	1920
1921	0.154	1.39	4.19	6.22	2.24	0.872	0.463	0.249	0.497	0.633	0.616	0.506	1.62	1921
1922	0.130	0.043	4.73	19.8	3.14	1.09	0.727	0.559	0.354	0.410	0.482	0.383	2.64	1922
1923	0.223	0.114	1.97	8.46	1.81	5.70	1.86	0.562	0.284	0.945	0.545	0.397	1.91	1923
1924	0.176	0.412	0.330	3.14	1.15	1.13	0.422	0.858	0.194	0.716	0.505	0.410	0.783	1924
1925	0.113	0.387	19.4	12.2	1.82	1.42	0.338	0.205	0.402	0.898	0.628	0.165	3.18	1925
1926	0.143	0.234	15.1	2.26	1.18	0.719	0.287	0.134	0.413	0.556	0.312	0.110	1.90	1926
MEAN	0.135	0.299	8.89	10.1	2.83	1.83	1.36	0.492	0.581	0.890	0.615	0.304	2.32	MEAN

LOCATION - LAT 50 14 30 N LONG 107 48 00 W
DRAINAGE AREA 3 180 km²
NATURAL FLOW

SWIFT CURRENT CREEK NEAR SWIFT CURRENT - STATION NO 05MD033

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	11.0 E ON APR 9	0 B ON FEB 8 *	39 000	1914
1915	---	28.0 E ON APR 5	0 B ON MAR 15	61 700	1915
1916	---	85.1 ON MAR 12	0.0088 ON FEB 2	137 000	1916
1917	---	153 E ON APR 11 *	0.0149 ON FEB 20	153 000	1917
1918	---	114 B ON MAR 18	0.0518 ON JAN 16	112 000	1918
1919	---	17.0 B ON APR 6	0 ON JUL 30	25 800	1919
1920	---	21.0 B ON MAR 26	0 B ON JAN 1	62 200	1920
1921	---	12.6 ON APR 16	0.0488 ON DEC 25	44 800	1921
1922	---	62.3 B ON APR 4	0.0258 ON FEB 19	83 400	1922
1923	---	34.0 E ON JUN 20	0.0288 ON FEB 14	60 300	1923
1924	---	8.078 ON APR 13	0.0578 ON JAN 15	24 800	1924
1925	---	122 B ON MAR 27	0.0548 ON FEB 1	100 000	1925
1926	---	41.9 B ON MAR 18	0.0038 ON AUG 1	59 800	1926
				73 490	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK NEAR SWIFT CURRENT (LOWER STATION) - STATION NO 05MD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	1.90	1.37	0.340	0.215	0.475	---	0.305	---	1913
1914	0.051	0.059	2.87	6.46	1.17	0.833	0.183	0.031	0.877	1.00	0.607	0.305	1.18	1914
1915	0.145	0.087	3.34	5.54	2.04	2.07	2.40	0.745	0.588	0.888	0.617	0.328	1.85	1915
1916	0.120	0.284	17.3	7.31	2.97	3.16	5.23	1.30	0.761	1.31	0.488	0.339	3.40	1916
MEAN	0.105	0.147	7.84	6.77	2.05	1.99	2.30	0.602	0.535	0.913	0.584	0.319	2.08	MEAN

LOCATION - LAT 50 15 50 N LONG 107 47 15 W
DRAINAGE AREA 3 230 km²
REGULATED

SWIFT CURRENT CREEK NEAR SWIFT CURRENT (LOWER STATION) - STATION NO 05MD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	10.9 ON APR 9	0.003 ON AUG 21 *	37 100	1914
1915	---	28.0 ON APR 5	0.0838 ON FEB 1	62 100	1915
1916	---	62.9 ON MAR 12 *	0.0488 ON JAN 25	108 000	1916
				69 700	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK NEAR THE MOUTH - STATION NO 05HD037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	4.34	0.877	0.954	0.644	0.857	2.09	---	---	---	1965
1966	---	---	15.9	5.40	2.44	1.36	0.726	0.791	0.846	1.71	---	---	3.66	1966
1967	---	---	1.28	31.1	9.58	1.51	0.540	0.401	0.900	0.837	---	---	5.72	1967
1968	---	---	4.08	1.79	1.95	1.13	0.631	0.955	0.896	2.63	---	---	1.79	1968
1969	---	---	0.895	21.1	1.59	1.08	1.65	1.40	2.00	1.46	---	---	3.79	1969
1970	---	---	4.90	27.2	2.12	3.46	2.26	1.45	2.04	2.13	---	---	5.84	1970
1971	---	---	1.40	23.7	2.62	2.70	2.10	1.55	1.80	2.15	---	---	4.70	1971
1972	---	---	2.07	2.11	1.24	0.711	0.464	0.383	0.448	0.959	---	---	1.17	1972
MEAN	---	---	4.46	16.1	3.24	1.60	1.19	0.947	1.22	1.76	---	---	3.78	MEAN

LOCATION - LAT 50 36 06 N DRAINAGE AREA, 3 910 km²
LONG 107 43 22 W REGULATED SINCE 1942

SWIFT CURRENT CREEK NEAR THE MOUTH - STATION NO 05HD037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	37.48 ON MAR 20	0.416 ON JUL 24	77 500	1966
1967	---	98.1 ON APR 14	0.196 ON AUG 29 *	121 000	1967
1968	---	13.68 ON MAR 2	0.340 ON OCT 6	37 800	1968
1969	---	119 B ON APR 5 *	0.1988 ON MAR 1	80 300	1969
1970	---	96.38 ON APR 7	0.2838 ON MAR 1	119 000	1970
1971	95.48 AT 12:00 CST ON APR 8 *	82.18 ON APR 8	0.4258 ON MAR 1	99 500	1971
1972	---	23.38 ON MAR 19	0.311 ON SEP 4	24 900	1972
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80 000	MEAN

TATAGWA LAKE DRAIN NEAR WEYBURN - STATION NO 05NB018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0	0.582	0.189	0.030	0	0	0	0	---	---	0.099	1960
1961	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.002	0.003	0	0	0	0	0	0	---	---	0.001	1962
1963	---	---	0	0	0	0	0	0	0	0	---	---	0	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.004	0.032	0.207	0.080	0.025	0.047	0.030	---	---	0.053	1965
1966	---	---	0.013	0.116	0.082	0.017	0.008	0	0	0	---	---	0.029	1966
1967	---	---	0	0.028	0.046	0.020	0.003	0	0	0	---	---	0.012	1967
1968	---	---	0.003	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.815	1.18	0.308	0.247	0.284	0.096	0.033	---	---	0.388	1969
1970	---	---	0	0.133	1.98	1.35	0.682	0.044	0.017	0.014	---	---	0.528	1970
1971	---	---	0	0.948	0.340	0.014	0.006	0.002	0	0	---	---	0.152	1971
1972	---	---	0.003	0.218	0.078	0.028	0.002	0	0	0	---	---	0.041	1972
1973	---	---	0.001	0.001	0.005	0.001	0	0	0	0	---	---	0.001	1973
1974	---	---	0	1.07	2.16	0.298	0.040	0.016	0.013	0.011	---	---	0.450	1974
1975	---	---	0	0.648	3.31	1.08	0.084	0.014	0.019	0.017	---	---	0.648	1975
1976	---	---	0.007	3.41	1.98	1.04	0.878	0.394	0.138	0.088	0.125	0	0.984	1976
1977	---	---	0	0.048	0.050	0.010	0	0	0	0	---	---	0.014	1977
1978	---	---	0	0.181	0.086	0.057	0.198	0.196	0.124	0.080	0.052	0.007	0.115	1978
1979	---	---	0	0.482	3.88	2.08	0.495	0.138	0.045	0.017	---	---	0.891	1979
1980	---	---	0.003	0.149	0.045	0	0	0	0	0	---	---	0.024	1980
1981	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.540	0.892	0.127	0.031	0.010	0.001	0.005	---	---	0.200	1982
1983	---	---	0	0.660	0.946	0.120	0.026	0.024	0.009	0	---	---	0.223	1983
1984	---	---	0.017	0.001	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.024	0.006	0	0	0	0	0	0	---	---	0.004	1985
1986	---	---	0.016	0	0	0	0.007	0	0	0	---	---	0.003	1986
MEAN	---	---	0.003	0.372	0.640	0.251	0.104	0.042	0.019	0.011	0.089	0.004	0.180	MEAN

LOCATION - LAT 49 35 58 N DRAINAGE AREA, 240 km²
LONG 103 56 50 W REGULATED

TATAGWA LAKE DRAIN NEAR WEYBURN - STATION NO. 05NB018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	1.13 E ON APR 9	0 ON MAR 1 *	2 090	1960
1961	---	0.0148 ON MAR 22	0E ON MAR 1	3.72	1961
1962	---	0.0238 ON APR 1	0E ON MAR 1	12.9	1962
1963	---	0 ON MAR 1	0 ON MAR 1	0	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	---	0.305 ON JUN 9	0E ON MAR 1	1 120	1965
1966	---	0.249 ON MAY 4	0E ON MAR 1	520	1966
1967	---	0.091 ON MAY 6	0E ON MAR 1	255	1967
1968	---	0.0158 ON MAR 7	0E ON MAR 1	5.83	1968
1969	---	1.70 ON APR 21	0E ON MAR 1	7 790	1969
1970	---	2.59 ON MAY 18	0E ON MAR 1	11 200	1970
1971	---	1.59 ON APR 16	0E ON MAR 1	3 430	1971
1972	0.283 AT 19:32 CST ON APR 9	0.283E ON APR 3	0E ON MAR 1	858	1972
1973	---	0.008E ON APR 1	0E ON MAR 1	20.8	1973
1974	3.60 AT 00:39 CST ON APR 29	3.57 ON APR 29	0E ON MAR 1	5 530	1974
1975	4.13 AT 17:51 CST ON MAY 2	4.13 A ON MAY 1	0E ON MAR 1	13 700	1975
1976	5.01 AT 12:00 CST ON APR 14 *	4.93 ON APR 14 *	0E ON MAR 1	20 800	1976
1977	0.178 AT 04:15 CST ON MAY 10	0.108 ON MAY 19	0E ON MAR 1	286	1977
1978	0.7938 AT 18:00 CST ON APR 11	0.7938 ON APR 11	0E ON MAR 1	1 440	1978
1979	4.33 AT 23:19 CST ON MAY 17	4.24 ON MAY 17	0E ON MAR 1	18 900	1979
1980	0.4638 AT 11:28 CST ON APR 8	0.3388 ON APR 8	0E ON MAR 1	515	1980
1981	0.0258 AT 09:48 CST ON MAR 14	0.0158 ON MAR 14	0E ON MAR 1	1.73	1981
1982	2.61 AT 14:23 CST ON APR 26	2.42 ON APR 27	0E ON MAR 1	4 240	1982
1983	2.03 AT 18:47 CST ON APR 26	1.93 ON APR 26	0E ON MAR 1	4 710	1983
1984	0.1958 AT 19:03 CST ON MAR 19	0.1398 ON MAR 20	0E ON MAR 1	46.8	1984
1985	---	0.1008 ON MAR 27	0E ON MAR 1	79.4	1985
1986	0.342 AT 04:50 CST ON JUL 17	0.176 ON JUL 17	0E ON MAR 26	83.2	1986
MEAN				3 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TAZIN RIVER ABOVE TESELJIRI FALLS - STATION NO. 07QC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	---	---	---	---	---	---	83.8	71.1	---	1936
1937	58.9	45.8	33.8	---	---	---	---	---	---	---	---	---	---	1937
1939	---	---	---	17.9	45.1	77.1	---	---	8.14	11.1	12.5	---	---	1939
MEAN	58.9	45.8	33.8	17.9	45.1	77.1	---	---	8.14	11.1	48.2	71.1	---	MEAN

LOCATION - LAT 59 50 00 N, LONG 109 37 00 W
DRAINAGE AREA, 10 400 km^2
NATURAL FLOW

TEARING RIVER NEAR CUMBERLAND HOUSE - STATION NO. 05KH012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	589	383	590	330	---	---	---	1954
1955	---	---	---	---	---	469	379	226	---	---	---	---	---	1955
1956	---	---	---	---	---	341	286	204	---	---	---	---	---	1956
1957	---	---	---	---	---	248	152	96.3	84.1	---	---	---	---	1957
1958	---	---	---	---	218	256	242	148	89.4	---	---	---	---	1958
1959	---	---	---	---	---	164	350	157	85.2	72.0	---	---	---	1959
1960	---	---	---	---	---	185	212	139	50.7	10.3	---	---	---	1960
1961	---	---	81.6	123	107	228	158	96.7	40.2	6.88	---	---	---	1961
1962	---	---	6.29	114	154	122	131	108	31.1	1.21	1.03	5.88	---	1962
1963	86.8	112	120	147	133	136	211	181	84.9	36.8	14.0	33.0	105	1963
1964	95.8	119	124	139	134	175	388	110	41.6	74.5	41.5	38.2	124	1964
1965	78.2	98.1	134	196	239	328	---	446	141	131	93.1	105	---	1965
1966	122	112	142	255	160	204	291	188	58.9	5.14	6.39	15.9	130	1966
1967	56.8	117	125	108	181	154	156	84.0	18.4	5.14	3.18	59.7	89.0	1967
1968	132	78.6	104	123	41.4	29.1	50.8	80.9	39.9	11.5	24.1	77.3	84.5	1968
1969	142	188	144	193	159	55.5	270	153	77.0	55.2	46.2	90.1	133	1969
1970	211	219	116	112	226	105	165	132	48.5	13.8	33.7	119	125	1970
1971	172	165	161	201	178	130	140	128	30.6	7.51	40.7	130	123	1971
1972	153	150	176	---	318	143	242	173	75.3	70.8	74.1	112	---	1972
1973	189	187	184	165	149	195	143	83.9	56.5	32.8	56.7	81.4	127	1973
1974	164	193	197	275	683	414	232	138	124	103	67.4	113	225	1974
1975	---	---	184	155	---	---	149	56.6	18.9	13.8	38.5	114	---	1975
MEAN	131	144	132	165	205	206	235	156	88.7	54.5	38.6	78.3	125	MEAN

LOCATION - LAT 53 57 00 N, LONG 102 11 00 W
NATURAL FLOW

TEARING RIVER NEAR CUMBERLAND HOUSE - STATION NO. 05KH012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	484 ON JUL 14	---	---	1959
1960	---	263 ON JUL 20	---	---	1960
1961	---	323 ON JUN 23	1.55 ON OCT 19	---	1961
1962	---	300 ON APR 30	0 ON OCT 24 *	---	1962
1963	---	278 ON JUL 22	2.83 ON NOV 17	3 300 000	1963
1964	---	515 ON JUL 6	5.44 ON NOV 19	3 910 000	1964
1965	---	---	56.6 E ON JAN 1	---	1965
1966	---	391 ON JUL 21	2.17 ON OCT 10	4 100 000	1966
1967	---	297 ON MAY 8	1.20 ON OCT 23	2 810 000	1967
1968	---	143 ON JAN 17	1.46 ON OCT 15	2 040 000	1968
1969	---	430 ON JUL 22	3.85 ON NOV 11	4 190 000	1969
1970	---	433 ON MAY 6	2.43 ON SEP 27	3 930 000	1970
1971	---	297 ON APR 23	3.17 ON OCT 8	3 890 000	1971
1972	---	---	30.6 ON NOV 29	---	1972
1973	---	269 ON JUN 18	3.57 ON NOV 6	3 990 000	1973
1974	---	858 ON MAY 7 *	35.7 ON NOV 19	7 080 000	1974
1975	---	---	3.57 ON SEP 2	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 920 000	MEAN

E - ESTIMATED

TENAILLE DITCH NEAR KLINTONEL - STATION NO. 11AC046

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 39 10 N
LONG 108 55 20 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1912-22

TENAILLE DITCH NEAR KLINTONEL - STATION NO. 11AC046

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

TENMILE CREEK NEAR TENMILE POLICE DETACHMENT - STATION NO. 11AB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.008	0.008	0.008	---	---	---	1909
1911	---	---	---	---	---	0.008	0.005	0.005	0.092	---	---	---	---	1911
1912	---	---	---	---	0.022	0.009	0.006	0.005	0.005	0.007	---	---	---	1912
1913	---	---	---	0.150	0.027	0.015	0.014	0.008	0.007	0.007	---	---	---	1913
1914	---	---	---	0.081	0.011	0.007	0.004	0.004	0.005	0.004	---	---	---	1914
1915	---	---	---	0.175	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	0.129	0.020	0.010	0.007	0.006	0.024	0.007	---	---	---	MEAN

LOCATION - LAT 49 26 00 N DRAINAGE AREA, 79.8 km^2
LONG 109 51 00 W NATURAL FLOW

TENMILE CREEK NEAR TENMILE POLICE DETACHMENT - STATION NO. 11AB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1911	---	---	0 ON AUG 15 *	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

THUNDER CREEK AT MOOSE JAW - STATION NO 05JG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	---	0.525	0.301	---	---	---	---	---	---	---	---	1936
MEAN	---	---	---	0.525	0.301	---	---	---	0	0	---	---	---	MEAN

LOCATION - LAT 50 23 12 N
LONG 105 37 33 W

DRAINAGE AREA 3 550 km²
NATURAL FLOW

THUNDER CREEK AT MOOSE JAW - STATION NO 05JG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1935	---	---	0 ON SEP 1 *	---	1935
1936	---	---	0E ON APR 5	---	1936
				---	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

THUNDER CREEK NEAR DARMODY - STATION NO 05JG012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	0	0.472	0.001	0	0.003	0.008	0	0	---	---	0.059	1969
1970	---	---	0.319	2.38	0.653	0.557	0.135	0.005	0.055	0	---	---	0.508	1970
1971	---	---	0	1.01	0.179	0.008	0	0	0	0.011	---	---	0.148	1971
1972	---	---	0.060	0.008	0.021	0.003	0	0.090	0	0	---	---	0.023	1972
1973	---	---	0.105	0.030	0.016	0.003	0	0.007	0.003	0	---	---	0.021	1973
1974	---	---	0	2.92	1.82	0.530	0	0.011	0	0.001	---	---	0.630	1974
1975	---	---	0	1.32	0.933	0.071	0.014	0.019	0	0.119	---	---	0.308	1975
1976	---	---	1.09	3.00	0.180	0.007	0.035	0.281	0	0	---	---	0.565	1976
1977	---	---	0.050	0.114	0.096	0.001	0	0	0	0	---	---	0.033	1977
1978	---	---	0.127	0.087	0.001	0	0	0	0	0	---	---	0.027	1978
1979	---	---	0.218	0.239	0.005	0	0	0	0	0	---	---	0.057	1979
1980	---	---	0.110	0.087	0	0	0	0	0	0	---	---	0.022	1980
1981	---	0.010	0.001	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.004	1.97	0.086	0.023	0	0	0	0	---	---	0.255	1982
1983	---	0.004	0.187	0.024	0	0	0.094	0	0	0	---	---	0.036	1983
1984	---	---	0.078	0.002	0	0	0	0	0	0	---	---	0.010	1984
1985	---	---	0.497	0.195	0	0	0	0	0	0	---	---	0.087	1985
1986	---	0.060	0.072	0	0.003	0	0.002	0	0.001	0	---	---	0.010	1986
MEAN	---	0.025	0.161	0.769	0.210	0.087	0.016	0.023	0.003	0.007	---	---	0.155	MEAN

LOCATION - LAT 50 38 33 N
LONG 106 16 45 W

DRAINAGE AREA 988 km²
REGULATED SINCE 1982

THUNDER CREEK NEAR DARMODY - STATION NO 05JG012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1969	---	4.08 A ON APR 9	0B ON MAR 1 *	1 240	1969
1970	5.77 AT 11 42 CST ON APR 7	5.03 ON APR 7	0B ON MAR 1	10 700	1970
1971	4.33 AT 04 30 CST ON APR 8	3.54 ON APR 8	0B ON MAR 1	3 140	1971
1972	0.628B AT 09 17 CST ON MAR 18	0.382B ON MAR 18	0B ON MAR 1	488	1972
1973	0.640 AT 14 33 CST ON MAR 13	0.425 ON MAR 13	0B ON MAR 1	435	1973
1974	38.8 B AT 08 04 CST ON APR 19 *	31.4 B ON APR 19 *	0B ON MAR 1	13 300	1974
1975	3.57 AT 21 39 CST ON APR 14	2.83 ON APR 15	0B ON MAR 1	5 510	1975
1976	6.03 AT 18 32 CST ON APR 5	5.80 ON APR 5	0B ON MAR 1	12 000	1976
1977	2.16 AT 01 38 CST ON MAY 25	1.31 ON MAY 25	0B ON MAR 1	589	1977
1978	1.09 AT 18 27 CST ON MAR 28	0.867 ON MAR 28	0B ON MAR 1	589	1978
1979	1.74 AT 17 25 CST ON MAR 20	1.18 ON MAR 20	0B ON MAR 1	1 210	1979
1980	0.852 AT 00 56 CST ON MAR 31	0.609 ON MAR 31	0B ON MAR 1	488	1980
1981	---	0.0038 ON MAR 1	0B ON MAR 15	1 64	1981
1982	21.3 AT 15 33 CST ON APR 14	19.7 B ON APR 14	0B ON MAR 1	5 420	1982
1983	2.15 AT 18 06 CST ON JUL 21	1.50 ON JUL 21	0B ON MAR 5	783	1983
1984	0.651B AT 09 26 CST ON MAR 21	0.367B ON MAR 21	0B ON MAR 10	215	1984
1985	3.72 AT 13 58 CST ON MAR 18	3.16 ON MAR 18	0B ON MAR 1	1 840	1985
1986	---	0.517B ON MAR 1	0 ON APR 1	208	1986
				3 290	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO. 06DB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	21.5	32.0	11.3	8.56	13.8	12.6	8.48	5.05	---	1978
1979	3.47	2.49	1.99	1.88	8.61	18.9	15.4	9.40	6.60	12.9	10.1	5.53	8.15	1979
1980	3.29	2.36	2.17	4.16	10.7	5.67	8.25	11.6	16.2	16.7	11.9	6.61	8.84	1980
1981	4.83	3.77	3.02	2.84	16.6	16.3	9.90	5.40	3.36	3.31	3.50	3.27	6.71	1981
1982	2.40	1.83	1.56	1.52	14.3	14.5	9.80	7.55	6.49	6.63	4.71	3.61	6.42	1982
1983	2.93	2.41	2.21	2.43	7.59	20.5	14.1	30.1	39.6	25.0	15.4	9.35	13.6	1983
1984	5.48	4.18	3.33	6.90	21.7	14.4	8.46	6.02	4.11	4.05	4.97	4.50	7.52	1984
1985	3.20	2.78	2.72	3.10	36.0	17.2	9.12	8.77	22.2	15.0	11.0	8.16	11.6	1985
1986	4.18	3.61	3.93	3.51	45.2	36.9	19.1	15.7	8.90	7.96	6.71	4.57	13.4	1986
MEAN	3.73	2.93	2.49	3.54	20.6	18.8	11.7	10.8	13.8	11.8	8.50	5.64	9.53	MEAN

LOCATION - LAT. 67 46 10 N DRAINAGE AREA. 1 300 km²
LONG 102 43 50 W NATURAL FLOW

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO. 06DB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	31.3 AT 18:10 CST ON MAY 30	31.28 ON MAY 30	---	---	1978
1979	24.8 AT 04:56 CST ON JUN 6	24.7 ON JUN 6	1.08 ON APR 10	257 000	1979
1980	30.7 AT 19:50 CST ON AUG 6	30.6 ON AUG 5	2.10 ON MAR 13	270 000	1980
1981	29.0 AT 16:50 CST ON MAY 21	29.2 ON MAY 21	2.74E ON APR 3	211 000	1981
1982	18.8A IN MAY	18.4 ON MAY 22	1.61 ON APR 7 e	202 000	1982
1983	86.0 AT 16:24 CST ON SEP 24	85.6 ON SEP 24	2.06 ON APR 19	429 000	1983
1984	28.2A AT 23:23 CST ON MAY 1	28.06 ON MAY 1	2.95 ON APR 5	235 000	1984
1985	82.4 AT 00:00 CST ON MAY 15	81.9 ON MAY 14	2.84 ON MAR 10	365 000	1985
1986	75.5 AT 18:00 CST ON MAY 26 >	75.3 ON MAY 25 >	2.77 ON MAR 26	424 000	1986
				301 000	MEAN

A - MANUAL GAUGE > - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED e - REVISED SINCE JAN 1 1986

TORCH RIVER NEAR LOVE - STATION NO. 05KE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	8.59	2.16	---	---	---	---	1950
1951	---	---	---	---	34.8	11.0	6.67	4.60	5.62	5.26	---	---	---	1951
1952	---	---	---	13.0	11.8	12.0	13.6	8.99	7.04	5.76	---	---	---	1952
1953	---	---	1.16	22.6	11.9	8.04	13.8	6.11	2.89	2.46	---	---	---	1953
1954	---	---	0.939	3.00	24.8	35.9	32.5	61.1	64.6	33.5	---	---	---	1954
1955	---	---	6.14	95.3	47.7	18.7	22.0	15.4	8.17	7.00	---	---	---	1955
1956	---	---	3.12	16.6	47.9	23.6	16.0	10.1	5.81	4.14	---	---	---	1956
1957	---	---	0	20.0	29.9	7.32	5.58	4.53	8.27	4.41	---	---	---	1957
1958	---	---	3.81	35.0	17.3	7.65	2.92	1.70	2.13	3.66	---	---	---	1958
1959	---	---	1.39	19.1	7.06	8.45	7.20	5.15	9.15	5.54	---	---	---	1959
1960	---	---	1.62	19.6	25.9	31.0	20.3	16.3	7.40	6.76	---	---	---	1960
1961	---	---	2.07	13.8	17.2	6.85	1.64	0.730	0.951	1.19	---	---	---	1961
1962	---	---	1.05	6.16	16.2	3.23	1.22	0.581	0.854	1.79	---	---	---	1962
1963	---	---	0.136	9.56	3.99	3.46	13.7	6.12	4.16	2.00	---	---	---	1963
1964	---	---	0.777	6.20	5.39	1.42	0.564	1.46	4.83	6.14	---	---	---	1964
1965	---	---	0.690	8.77	10.4	17.0	17.9	11.2	9.32	5.34	---	---	---	1965
1966	---	---	1.16	6.11	5.66	16.9	20.9	13.5	8.62	4.30	---	---	---	1966
1967	---	---	1.88	3.16	11.2	7.53	3.78	3.57	0.777	2.01	---	---	---	1967
1968	---	---	0.344	2.65	5.39	10.9	5.31	2.88	7.86	6.90	---	---	---	1968
1969	---	---	2.72	12.1	5.78	4.45	2.78	2.06	1.76	11.2	---	---	---	1969
1970	---	---	1.31	15.2	15.8	12.9	47.2	17.5	10.7	7.67	---	---	---	1970
1971	---	---	1.67	19.6	12.3	17.1	33.0	14.3	7.00	7.38	---	---	---	1971
1972	---	---	2.67	21.6	38.1	12.0	7.68	4.41	4.33	5.25	4.20	1.87	---	1972
1973	1.95	2.81	2.92	8.18	18.6	68.2	61.4	26.9	24.6	16.8	23.7	20.9	24.8	1973
1974	6.93	6.09	5.65	65.1	60.4	39.3	22.5	29.1	24.7	19.2	11.9	12.2	24.4	1974
1975	7.77	6.10	4.57	14.2	32.3	26.3	13.6	7.40	4.30	4.26	3.03	1.26	10.2	1975
1976	0.807	1.40	1.84	8.71	4.62	0.87	14.3	7.01	2.62	2.44	1.36	0.547	4.66	1976
1977	0.582	0.585	0.570	3.25	5.60	9.72	4.03	6.18	8.55	8.60	3.14	1.10	3.85	1977
1978	0.918	0.720	0.787	13.1	26.2	25.0	7.73	5.80	11.5	13.8	14.8	10.3	11.2	1978
1979	5.18	3.74	3.64	17.8	46.7	19.7	8.51	3.15	3.80	3.25	3.01	1.65	9.76	1979
1980	1.01	1.08	1.21	8.03	4.22	2.04	3.24	9.85	14.1	17.1	5.55	2.18	5.49	1980
1981	2.40	3.30	3.05	8.44	11.6	10.5	4.45	2.46	1.07	2.91	2.18	1.05	4.25	1981
1982	0.478	0.387	0.484	7.48	7.15	0.01	8.69	8.70	8.20	7.68	3.21	1.49	5.26	1982
1983	1.85	1.24	1.24	13.0	31.6	33.3	33.6	4.03	6.39	5.42	4.28	1.77	10.4	1983
1984	1.13	0.855	1.07	15.2	32.8	53.0	11.1	2.33	4.03	5.56	3.70	2.56	11.1	1984
1985	1.36	0.812	0.965	66.4	78.9	57.1	22.7	7.18	5.46	5.53	3.14	1.20	19.3	1985
1986	1.62	1.38	1.38	8.97	45.6	14.2	8.78	6.77	2.47	4.31	2.24	1.84	8.12	1986
MEAN	3.39	2.03	1.82	16.1	22.8	18.8	14.4	9.25	8.05	7.03	5.82	4.47	10.9	MEAN

LOCATION - LAT. 53 35 15 N DRAINAGE AREA. 4 650 km²
LONG 104 00 40 W REGULATED

TOUCH RIVER NEAR LOVE - STATION NO 05KE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	---	105 ON MAY 3	---	---	1951
1952	---	33.3 ON MAY 9	---	---	1952
1953	---	43.8 ON APR 25	---	---	1953
1954	---	161 ON AUG 25	---	---	1954
1955	---	170 B ON APR 10 *	---	---	1955
1956	---	65.0E ON MAY 5	---	---	1956
1957	---	148 B ON APR 24	0 B ON MAR 1 *	---	1957
1958	---	54.1 ON APR 21	---	---	1958
1959	---	36.58 ON APR 14	---	---	1959
1960	---	71.5 ON MAY 25	---	---	1960
1961	80.1 AT 17 30 CST ON APR 24	38.4 ON APR 24	---	---	1961
1962	---	31.70 ON APR 23	---	---	1962
1963	---	25.6 ON JUL 20	---	---	1963
1964	---	18.60 ON APR 16	---	---	1964
1965	---	25.7 ON JUL 25	---	---	1965
1966	30.6 AT 13 00 CST ON JUL 23	29.2 ON JUL 23	---	---	1966
1967	---	19.30 ON MAY 1	---	---	1967
1968	21.8 AT 08 00 CST ON JUN 3	20.8 ON JUN 3	---	---	1968
1969	---	33.4 ON APR 15	---	---	1969
1970	100 AT 15 30 CST ON JUL 4	100 ON JUL 4	---	---	1970
1971	85.0B AT 12 30 CST ON APR 15	85.6 ON APR 15	---	---	1971
1972	131 AT 20 04 CST ON APR 27	111 ON APR 28	---	---	1972
1973	161 AT 19 19 CST ON JUN 11	150 ON JUN 11	0.5240 ON JAN 15	183 000	1973
1974	193 B AT 18 01 CST ON APR 19 *	136 ON APR 23	0.01 B ON MAR 26	168 000	1974
1975	49.3 AT 00 01 CST ON MAY 1	49.0 ON APR 30	0.9020 ON DEC 31	322 000	1975
1976	26.9 AT 04 36 CST ON JUL 17	26.8 ON JUL 17	0.5180 ON JAN 19	147 000	1976
1977	16.3 AT 19 53 CST ON MAY 30	16.0 ON MAY 30	0.9388 ON JAN 1	115 000	1977
1978	---	37.4 ON APR 30	0.2010 ON MAR 2	352 000	1978
1979	81.1 AT 23 37 CST ON MAY 30	80.6 ON MAY 30	0.3000 ON DEC 10	300 000	1979
1980	25.5B AT 15 52 CST ON APR 18	18.2 ON SEP 28	0.7888 ON JAN 31	173 000	1980
1981	16.3 AT 12 48 CST ON MAY 5	16.3 ON MAY 5	0.5018 ON DEC 21	137 000	1981
1982	---	30.5E ON APR 25	0.2408 ON FEB 2	155 000	1982
1983	80.9 AT 07 40 CST ON APR 25	68.3 ON APR 25	0.6878 ON DEC 30	328 000	1983
1984	78.9 AT 23 33 CST ON MAY 24	74.3 ON MAY 25	0.8818 ON FEB 15	350 000	1984
1985	103 AT 18 46 CST ON APR 23	135 ON APR 24	0.2738 ON FEB 8	605 000	1985
1986	82.3 AT 05 30 CST ON MAY 18	82.0 ON MAY 18	0.7688 ON JAN 19	256 000	1986
			MEAN	344 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TURTLEHEAD RIVER NEAR TURTLEFORD - STATION NO 05KE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.110	2.00	0.782	0.437	0.206	0.088	0.077	0.102	---	---	0.680	1966
1967	---	---	0	0.078	0.690	0.079	0.108	0.103	0.036	0.102	---	---	0.121	1967
1968	---	---	0.11	1.09	0.305	0.212	0.161	0.107	0.135	0.101	---	---	0.543	1968
1969	---	---	0.012	3.34	0.884	0.065	0.078	0.091	0.101	0.104	---	---	0.562	1969
1970	---	---	0.102	1.09	0.302	0.903	0.932	0.083	0.116	0.134	---	---	0.512	1970
1971	---	---	0.100	1.28	0.234	0.166	0.201	0.383	0.084	0.119	---	---	0.376	1971
1972	---	---	0.143	1.95	0.515	0.184	0.151	0.072	0.132	0.111	---	---	0.404	1972
1973	---	---	0.021	0.819	0.630	0.650	0.306	0.061	0.089	0.139	---	---	0.321	1973
1974	---	---	0.001	5.34	2.58	2.64	1.99	1.98	1.33	0.765	---	---	2.03	1974
1975	---	---	0.830	1.93	2.11	2.36	2.36	2.36	1.11	0.306	---	---	1.92	1975
1976	---	---	0.596	1.38	0.564	0.293	0.269	0.191	0.320	0.208	---	---	0.433	1976
1977	---	---	0	0.696	0.476	0.181	0.360	0.139	0.101	0.097	---	---	0.255	1977
1978	---	---	0.181	0.701	2.04	2.84	1.09	0.976	0.311	0.239	---	---	1.03	1978
1979	---	---	0.088	1.88	1.47	1.69	1.34	0.836	0.089	0.184	---	---	0.916	1979
1980	---	---	0.110	0.804	0.203	0.094	0.026	0.163	0.109	0.105	---	---	0.184	1980
1981	---	---	0.356	1.33	0.385	0.110	0.085	0.039	0.019	0.105	---	---	0.304	1981
1982	---	---	0.096	0.486	0.065	0.084	0.062	0.043	0.034	0.133	---	---	0.121	1982
1983	---	---	0.139	0.819	0.186	0.091	0.076	0.018	0.112	0.062	---	---	0.178	1983
1984	---	---	0.395	0.838	0.930	0.539	0.181	0.035	0.047	0.140	---	---	0.364	1984
1985	---	---	0.000	1.97	0.930	1.08	1.11	1.14	0.895	0.257	---	---	0.825	1985
1986	---	---	0.700	1.13	0.782	0.814	1.08	2.19	0.780	0.900	---	---	1.05	1986
MEAN	---	---	0.291	1.48	0.789	0.686	0.633	0.501	0.370	0.308	---	---	0.603	MEAN

LOCATION - LAT 53 22 27 N
LONG 106 57 04 W

DRAINAGE AREA 2 310 km^2
NATURAL FLOW

TURTLEDOVE RIVER NEAR TURTLEFORD - STATION NO. 05CC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE ($1000 m^3$)	YEAR
1960	---	5.07 0 ON APR 7	0.040 ON AUG 25	10 200	1960
1961	---	0.0200 ON MAY 2	0 0 ON MAR 1 *	2 500	1961
1962	---	5.61 0 ON MAR 26	0.020 ON AUG 16	11 500	1962
1963	---	16.5 0 ON APR 12	0 0 ON MAR 1	11 500	1963
1970	---	5.26 0 ON APR 16	0 0 ON APR 6	10 000	1970
1971	2.050 AT 03:46 CST ON APR 16	3.09 0 ON APR 16	0.015 ON AUG 31	6 000	1971
1972	0.510 AT 17:47 CST ON APR 16	5.30 0 ON APR 16	0 0 ON MAR 1	0 550	1972
1973	1.00 AT 07:50 CST ON JUL 2	1.59 ON JUL 2	0 0 ON MAR 1	5 000	1973
1974	20.0 AT 18:45 CST ON APR 15 *	25.2 ON APR 15 *	0 0 ON MAR 1	62 000	1974
1975	---	5.06 0 ON APR 20	0.2520 ON OCT 26	26 200	1975
1976	---	2.21 0 ON APR 5	0.005 ON JUL 27	9 170	1976
1977	---	4.02 0 ON APR 10	0 0 ON MAR 1	5 300	1977
1978	3.11 AT 20:05 CST ON JUN 23	3.01 ON JUN 23	0.0200 ON MAR 1	21 600	1978
1979	7.990 AT 22:37 CST ON APR 25	6.72 0 ON APR 26	0.005 ON SEP 6	19 600	1979
1980	2.10 AT 19:50 CST ON APR 15	1.60 ON APR 15	0.003 ON JUL 10	3 000	1980
1981	5.160 AT 16:50 CST ON APR 1	4.65 0 ON APR 1	0.001 ON AUG 20	6 020	1981
1982	1.71 AT 04:26 CST ON JUN 15	1.34 0 ON APR 15	0.012 ON AUG 11	3 000	1982
1983	2.00 AT 11:41 CST ON APR 18	1.35 ON APR 6	0.001 ON JUN 5	3 710	1983
1984	2.93 AT 11:43 CST ON MAY 17	2.27 ON APR 3	0.001 ON AUG 1	7 710	1984
1985	4.800 AT 01:56 CST ON APR 16	4.61 0 ON APR 16	0.0820 ON MAR 26	17 500	1985
1986	14.2 AT 06:36 CST ON JUL 30	12.3 ON JUL 30	0.0310 ON JUN 6	32 400	1986
				18 000	MEAN

0 - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOODMERE CREEK NEAR CUTBANK - STATION NO. 05AF023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.201	---	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0.081	0.081	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	0.221	0.017	0	0	0	0	0	---	---	0.030	1972
1973	---	---	0.146	0.586	0	0.504	0.002	0	0	0	---	---	0.152	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0.206	0.002	0	0	0	0	0	---	---	0.001	1975
1976	---	---	0.016	0.345	0.020	0	0	0	0	0	---	---	0.040	1976
1977	---	---	0.072	0.036	0	0	0	0	0	0	---	---	0.016	1977
1978	---	0	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	0	0.025	0.256	0.005	0	0	0	0	0	---	---	0.035	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.356	0.130	0.025	0	0	0	0	0	---	---	0.066	1982
1983	---	0	0.061	0	0	0	0	0	0	0	---	---	0.006	1983
MEAN	---	0	0.076	0.127	0.007	0.042	0	0	0	0	---	---	0.030	MEAN

LOCATION - LAT 51 21 36 N
LONG 106 52 15 W
DRAINAGE AREA, 100 km^2
NATURAL FLOW

WOODMERE CREEK NEAR CUTBANK - STATION NO. 05AF023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE ($1000 m^3$)	YEAR
1970	---	---	---	---	1970
1971	---	0.2030 ON MAR 19	00 ON MAR 1 *	---	1971
1972	---	1.63 ON APR 17	00 ON MAR 1	506	1972
1973	0.52 AT 10:55 CST ON JUN 5 *	5.41 ON APR 1 *	00 ON MAR 1	1 250	1973
1974	0.054 AT 10:15 CST ON MAY 15	0.0020 ON MAY 15	00 ON MAR 1	0.17	1974
1975	0.045 AT 01:57 CST ON MAY 2	0.020 ON MAY 2	0 ON MAR 1	ON 5	1975
1976	1.66 AT 03:46 CST ON APR 16	1.51 ON APR 16	00 ON MAR 1	1 010	1976
1977	0.0710 AT 12:10 CST ON MAR 29	0.0000 ON MAR 29	00 ON MAR 1	252	1977
1978	---	0 ON MAR 1	0 ON MAR 1	0	1978
1979	2.26 E AT 12:30 CST ON APR 12	1.76 ON APR 13	00 ON MAR 1	0.05	1979
1980	0.054 AT 19:50 CST ON JUL 30	0.007 ON MAY 10	00 ON MAR 1	1.61	1980
1981	0.104 AT 12:50 CST ON APR 23	0.143 ON APR 23	0 ON MAR 1	ON 5	1981
1982	3.00 AT 15:55 CST ON MAR 21	1.65 ON MAR 22	00 ON MAR 1	1 300	1982
1983	0.0000 AT 19:50 CST ON MAR 3	0.3700 ON MAR 3	0 ON APR 2	160	1983
				681	MEAN

0 - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1984

UNNAMED CREEK NEAR GLENSIDE - STATION NO 05HG018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.183	0.100	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.2[illegible]	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.084	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	0.116	---	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	0.020	0.002	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.077	0.002	0	0	0	0	0	---	---	0.010	1975
1976	---	---	0.116	0.392	0	0.132	0	0	0	0	---	---	0.078	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0.001	0.106	0	0	0	0	0	0	---	---	0.014	1979
MEAN	---	---	0.063	0.186	0.001	0.026	0	0	0	0	---	---	0.020	MEAN

LOCATION - LAT 49° 51 36 N   DRAINAGE AREA 31.5 km²
LONG 106 09 05 W   NATURAL FLOW

UNNAMED CREEK NEAR GLENSIDE - STATION NO 05HG018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	1.42 B ON MAR 19	0B ON MAR 1 *	---	1970
1971	---	---	---	---	1971
1972	---	1.14 ON MAR 19	0 ON MAR 1	---	1972
1973	---	1.42 B ON MAR 11	0 ON MAR 1	---	1973
1974	---	---	---	---	1974
1975	---	0.685B ON APR 15	0B ON MAR 1	208	1975
1976	3.000 AT 07 10 EST ON APR 1 *	3.45 B ON APR 1 *	0B ON MAR 1	1 810	1976
1977	0.8 AT 00 00 EST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1977
1978	---	0.0018 ON MAR 23	0B ON MAR 1	0.52	1978
1979	1.036 AT 16 00 EST ON APR 10	0.789 ON APR 17	0B ON MAR 1	301	1979
MEAN				424	MEAN

A - MANUAL GAUGE   B - ICE CONDITIONS   * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

VAL MARIE PUMP NO 1 - STATION NO 11AC066

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0	0	0.062	0.086	0.020	0	0	0	---	---	0.018	1961
1962	---	---	0	0	0.068	0.018	0	0.037	0.007	0	---	---	0.018	1962
1963	---	---	0	0	0.020	0.041	0.032	0.058	0	0	---	---	0.019	1963
1964	---	---	0	0	0.032	0.076	0.026	0.042	0.009	0	---	---	0.023	1964
1965	---	---	0	0	0	0.046	0	0.027	0.039	0	---	---	0.014	1965
1966	---	---	0	0	0.014	0.079	0.030	0.057	0	0	---	---	0.022	1966
1967	---	---	0	0	0	0.082	0.029	0.039	0.015	0	---	---	0.016	1967
1968	---	---	0	0	0.036	0.017	0.059	0.020	0	0	---	---	0.017	1968
1969	---	---	0	0	0.004	0.051	0	0.025	0	0	---	---	0.010	1969
1970	---	---	0	0	0	0.028	0.017	0.006	0	0	---	---	0.006	1970
1971	---	---	0	0	0.030	0.026	0.069	0.010	0	0	---	---	0.016	1971
1972	---	---	0	0	0.050	0.036	0.057	0.011	0	0	---	---	0.018	1972
1973	---	---	0	0	0.077	0.023	0.083	0.015	0	0	---	---	0.022	1973
1974	---	---	0	0	0	0.057	0.083	0.038	0	0	---	---	0.019	1974
1975	---	---	0	0	0	0.030	0.052	0.016	0	0	---	---	0.012	1975
1976	---	---	0	0	0.098	0	0.080	0.016	0	0	---	---	0.021	1976
1977	---	---	0	0	0.101	0	0.072	0.028	0	0	---	---	0.025	1977
1978	---	---	0	0	0.087	0	0.066	0.005	0	0	---	---	0.017	1978
1979	---	---	0	0	0.082	0	0.072	0	0	0	---	---	0.017	1979
1980	---	---	0	0	0.066	0	0.080	0	0	0	---	---	0.018	1980
1981	---	---	0	0	0.074	0	0	0	0	0	---	---	0.009	1981
1982	---	---	0	0	0.097	0.021	0.045	0.041	0	0	---	---	0.021	1982
1983	---	---	0	0	0.049	0.036	0.070	0	0	0	---	---	0.018	1983
1984	---	---	0	0.005	0.038	0	0	0	0	0	---	---	0.010	1984
1985	---	---	0	0	0.104	0	0	0	0	0	---	---	0.012	1985
1986	---	---	0	0	0	0.132	0.037	0	0	0	---	---	0.021	1986
MEAN	---	---	0	0.003	0.063	0.033	0.038	0.018	0.003	0	---	---	0.017	MEAN

LOCATION - LAT 49° 21 08 N
LONG 107 50 51 W   REGULATED

VAL MARIE PUMP NO. 1 - STATION NO. 11AC068

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	0.055 ON MAY 12	0 ON MAR 1 *	389	1961
1962	---	0.055 ON AUG 16	0 ON MAR 1	345	1962
1963	---	0.093 ON AUG 18	0 ON MAR 1	394	1963
1964	---	0.085 ON MAY 20	0 ON MAR 1	490	1964
1965	---	0.102 ON JUN 11	0 ON MAR 1	293	1965
1966	---	0.136 ON JUL 26	0 ON MAR 1	475	1966
1967	---	0.083 ON JUN 8	0 ON MAR 1	363	1967
1968	---	0.108 ON JUL 13	0 ON MAR 1	352	1968
1969	---	0.088 ON AUG 16	0 ON MAR 1	213	1969
1970	---	0.108 ON JUN 3	0 ON MAR 1	134	1970
1971	---	0.093 ON JUL 18	0 ON MAR 1	333	1971
1972	---	0.102 ON JUL 7	0 ON MAR 1	406	1972
1973	---	0.099 ON MAY 8	0 ON MAR 1	474	1973
1974	---	0.083 ON JUL 19	0 ON MAR 1	383	1974
1975	---	0.190 ON JUL 28	0 ON MAR 1	258	1975
1976	---	0.294 ON MAY 22	0 ON MAR 1	441	1976
1977	---	0.396 ON JUL 22 *	0 ON MAR 1	536	1977
1978	---	0.385 ON JUL 31	0 ON MAR 1	368	1978
1979	---	0.357 ON MAY 26	0 ON MAR 1	359	1979
1980	---	0.375 ON JUL 27	0 ON MAR 1	387	1980
1981	---	0.308 ON MAY 24	0 ON MAR 1	197	1981
1982	---	0.328 ON JUL 30	0 ON MAR 1	436	1982
1983	---	0.284 ON MAY 27	0 ON MAR 1	408	1983
1984	---	0.271 ON APR 26	0 ON MAR 1	205	1984
1985	---	0.284 ON MAY 15	0 ON MAR 1	279	1985
1986	---	0.364 ON JUN 4	0 ON MAR 1	441	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		361	MEAN

VAL MARIE PUMP NO. 2 - STATION NO. 11AC068

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0	0	0	0.001	0.030	0.008	0	0	---	---	---	1961
1962	---	---	0	0	0	0.023	0.012	0	0.007	0	---	---	---	1962
1963	---	---	0	0	0.008	0	0.018	0.017	0.002	0	---	---	---	1963
1964	---	---	0	0	0.012	0.012	0.017	0.008	0.002	0	---	---	---	1964
1965	---	---	0	0	0	0.018	0	0.039	0	0	---	---	---	1965
1966	---	---	0	0	0	0.014	0	0.013	0	0	---	---	---	1966
1967	---	---	0	0	0	0.019	0.026	0	0	0	---	---	---	1967
1968	---	---	0	0	0.034	0	0.017	0.019	0	0	---	---	---	1968
1969	---	---	0	0	0.002	0.032	0	0.017	0	0	---	---	---	1969
1970	---	---	0	0	0.023	0	0	0.022	0	0	---	---	---	1970
1971	---	---	0	0	0	0.028	0.021	0.014	0	0	---	---	---	1971
1972	---	---	0	0	0	0.007	0.008	0	0	0	---	---	---	1972
1973	---	---	0	0	0.020	0.005	0.020	0	0	0	---	---	---	1973
1974	---	---	0	0	0	0.022	0.011	0	0	0	---	---	---	1974
1975	---	---	0	0	0	0.009	0.015	0.001	0	0	---	---	---	1975
1976	---	---	0	0	0.011	0.013	0.008	0.004	0	0	---	---	---	1976
1977	---	---	0	0	0.023	0	0.018	0	0	0	---	---	---	1977
1978	---	---	0	0	0.015	0	0	0.007	0	0	---	---	---	1978
1979	---	---	0	0	0	0.010	0.012	0.003	0	0	---	---	---	1979
1980	---	---	0	0	0.026	0	0.007	0	0	0	---	---	---	1980
MEAN	---	---	0	0	0.009	0.011	0.012	0.009	0.001	0	---	---	---	MEAN

LOCATION - LAT 49 21 01 N
LONG 107 49 46 W REGULATED

REMARKS - DISCHARGES COMPUTED FROM PUMPING RECORDS

VAN PATTENS CREEK NEAR KUROKI - STATION NO 05MB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	0.440	0	---	---	---	---	---	---	---	---	1962
1963	---	---	0.054	0.091	0.004	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.045	0.037	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.314	0.005	---	---	---	---	---	---	---	---	1965
1966	---	---	---	1.03	0.108	0	---	---	---	---	---	---	---	1966
1967	---	---	---	0.538	0.262	---	---	---	---	---	---	---	---	1967
1968	---	---	0.116	0.061	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	0.694	0.005	---	---	---	---	---	---	---	---	1969
1970	---	---	---	0.754	0.157	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.788	0.035	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	0.476	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.018	0.004	0.023	0.003	---	---	---	---	---	---	1973
1974	---	---	---	---	0.677	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.08	0.806	0.192	0.011	0	0	0	---	---	0.231	1975
1976	---	---	0	1.59	0.131	0.095	0.026	0	0	0	---	---	0.227	1976
1977	---	---	0	0.113	0.008	0	0	0	0	0	---	---	0.015	1977
1978	---	---	0	0.375	0.005	0.003	0.001	0	0	0.003	0.016	---	0.055	1978
1979	---	---	0	1.81	1.48	0.047	0.001	0	0	0	---	---	0.391	1979
1980	---	---	0	0.795	0.006	0	0	0	0	0	---	---	0.098	1980
1981	---	0	0.063	0.196	0.003	0	0.002	0	0	0	---	---	0.025	1981
1982	---	---	0	0.203	0.006	0.002	0	0	0	0	---	---	0.026	1982
1983	---	---	0	0.671	0.148	0.012	0.279	0.034	0.001	0	---	---	0.142	1983
1984	---	---	0.171	0.813	0.093	0.026	0.016	0	0	0	---	---	0.113	1984
1985	---	---	0.010	1.48	0.181	0.022	0	0	0	0	---	---	0.201	1985
1986	---	---	0.130	0.495	0.043	0.006	0	0	0	0	---	---	0.062	1986
MEAN	---	0	0.038	0.603	0.148	0.029	0.037	0.003	0	0.001	---	---	0.134	MEAN

LOCATION - LAT 51 52 03 N DRAINAGE AREA 113 km²
LONG 103 35 11 W NATURAL FLOW

VAN PATTENS CREEK NEAR KUROKI - STATION NO 05MB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1962	---	---	---	---	1962
1963	---	0.255 ON MAR 29	00 ON MAR * *	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	1.37 ON MAR 29	00 ON MAR 1	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	7.22 AT 14 38 CST ON APR 29	5.64 ON APR 29	00 ON MAR 1	6.690	1975
1976	---	8.50 ON APR 11 *	00 ON MAR 1	6.800	1976
1977	---	0.863 ON APR 12	00 ON MAR 1	315	1977
1978	2.37 AT 13 16 CST ON APR 12	1.55 E ON APR 10	00 ON MAR 1	1.260	1978
1979	10.6 AT 19 31 CST ON APR 24 *	6.30 E ON APR 24	00 ON MAR 1	5.260	1979
1980	2.87 E AT 17 22 CST ON APR 9	2.39 E ON APR 10	00 ON MAR 1	2.080	1980
1981	0.781 AT 13 26 CST ON APR 3	0.760 ON APR 3	00 ON MAR 1	535	1981
1982	1.75 E AT 08 30 CST ON APR 16	1.06 E ON APR 16	00 ON MAR 1	551	1982
1983	5.62 AT 23 40 CST ON APR 22	4.72 ON APR 23	00 ON MAR 1	3.010	1983
1984	2.12 E AT 11 12 CST ON MAR 30	1.84 E ON APR 2	00 ON MAR 1	2.400	1984
1985	3.86 AT 03 08 CST ON APR 11	3.91 E ON APR 11	00 ON MAR 1	4.240	1985
1986	3.59 E AT 10 10 CST ON MAR 31	3.36 E ON MAR 31	00 ON MAR 1	1.740	1986
				2.640	MEAN

E - ESTIMATED * - EXTREMES RECORDED FOR THE PERIOD OF RECORD

KIDDRA DITCH NEAR CONSUL - STATION NO 11AB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	E	E	E	E 0.005	E 0.264	E 0.267	E 0.064	E 0.006	E 0.002	---	---	E 0.079	1953
1954	---	---	E	E	E 0.135	E 0.223	E 0.264	E 0.116	E	E	---	---	---	E 0.083	1954
1955	---	---	E	E	E	E 0.120	E 0.019	E 0.297	E 0.161	E 0.215	---	---	---	E 0.095	1955
1956	---	---	E	E	E 0.017	E 0.539	E 0.358	E 0.066	E 0.202	E 0.041	---	---	---	E 0.152	1956
1957	---	---	E	E 0.026	E 0.255	E 0.180	E 0.522	E 0.056	E 0.210	E	---	---	---	E 0.158	1957
1958	---	---	E 0.006	E 0.026	E 0.136	E 0.204	E 0.417	E 0.165	E 0.265	E	---	---	---	E 0.151	1958
1959	---	---	E	E 0.012	E 0.123	E 0.627	E 0.022	E 0.020	E 0.214	E	---	---	---	E 0.125	1959
1960	---	---	E	E 0.026	E	E 0.557	E 0.455	E 0.069	E	E	---	---	---	E 0.140	1960
1961	---	---	E	E	E 0.511	E 0.436	E 0.442	E	E	E 0.015	---	---	---	E 0.176	1961
1962	---	---	E	E	E 0.587	E 0.330	E 0.174	E	E	E	---	---	---	E 0.138	1962
1963	---	---	E	E	E 0.455	E 0.296	E	E	E	E	---	---	---	E 0.096	1963
1964	---	---	E	E	E 0.138	E 0.760	E	E	E	E	---	---	---	E 0.111	1964
1965	---	---	E	E	E 0.625	E 0.252	E	E 0.480	E	E	---	---	---	E 0.171	1965
1966	---	---	E	E	E 0.640	E 0.129	E 0.356	E 0.263	E	E	---	---	---	E 0.176	1966
1967	---	---	E	E	E 0.117	E 0.726	E 0.871	E 0.545	E	E	---	---	---	E 0.203	1967
1968	---	---	E	E	E 0.024	E	E 0.986	E 0.037	E	E	---	---	---	E 0.234	1968
1969	---	---	E	E	E 0.569	E 0.002	E 0.675	E 0.251	E	E	---	---	---	E 0.203	1969
1970	---	---	E	E	E 0.705	E 0.707	E 0.750	E 0.055	E	E	---	---	---	E 0.260	1970
1971	---	---	E	E	E 0.650	E 0.584	E 0.602	E 0.333	E	E	---	---	---	E 0.271	1971
1972	---	---	E	E	E 0.801	E	E 0.453	E 0.333	E	E	---	---	---	E 0.213	1972
1973	---	---	E	E	E 0.634	E	E 0.803	E 0.100	E	E	---	---	---	E 0.220	1973
1974	---	---	E	E	E	E 1.10	E 0.663	E 0.065	E	E	---	---	---	E 0.225	1974
1975	---	---	E	E	E	E 0.757	E 0.614	E 0.113	E	E	---	---	---	E 0.158	1975
1976	---	---	E	E	E 0.656	E	E 0.611	E 0.111	E	E	---	---	---	E 0.176	1976
1977	---	---	E	E	E 0.470	E 0.526	E 0.737	E	E	E	---	---	---	E 0.217	1977
1978	---	---	E	E	E 0.063	E 0.685	E 0.030	E	E	E	---	---	---	E 0.086	1978
1979	---	---	E	E	E	E 0.684	E 0.675	E	E	E	---	---	---	E 0.188	1979
1980	---	---	E	E	E 1.02	E	E 0.682	E 0.027	E	E	---	---	---	E 0.218	1980
1981	---	---	E	E	E 0.838	E 0.010	E	E	E	E	---	---	---	E 0.130	1981
1982	---	---	E	E	E	E 0.835	E 0.051	E	E	E	---	---	---	E 0.121	1982
1983	---	---	E	E	E 0.475	E 0.425	E	E	E	E	---	---	---	E 0.128	1983
1984	---	---	E	E	E 0.552	E	E	E	E	E	---	---	---	E 0.070	1984
1985	---	---	E	E	E 0.587	E 0.642	E	E	E	E	---	---	---	E 0.154	1985
1986	---	---	E	E	E 0.156	E 0.671	E	E	E	E	---	---	---	E 0.126	1986
MEAN	---	---	E	E 0.003	E 0.387	E 0.385	E 0.363	E 0.113	E 0.031	E 0.008	E 0.002	---	E 0.166	MEAN

LOCATION - LAT 49 27 27 N
LONG 109 35 30 W REGULATED

INTERNATIONAL GAUGING STATION

KIDDRA DITCH NEAR CONSUL - STATION NO 11AB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	E 0.515 ON JUL 23	E 0.00 ON MAR 1 +	1 670	1953
1954	---	E 0.648 ON AUG 3	E 0.00 ON MAR 1	1 860	1954
1955	---	E 0.609 ON JUN 25	E 0.00 ON MAR 1	2 100	1955
1956	---	E 0.861 ON JUL 27	E 0.00 ON MAR 1	3 210	1956
1957	---	E 1.06 ON JUL 15	E 0.00 ON MAR 1	3 350	1957
1958	---	E 0.690 ON JUL 25	E 0.00 ON MAR 1	3 190	1958
1959	---	E 0.512 ON JUN 26	E 0.00 ON MAR 1	2 650	1959
1960	---	E 0.728 ON JUN 14	E 0.00 ON MAR 1	2 870	1960
1961	---	E 1.07 ON JUL 16	E 0.00 ON MAR 1	3 720	1961
1962	---	E 1.03 ON JUL 1	E 0.00 ON MAR 1	2 520	1962
1963	---	E 1.04 ON MAY 16	E 0.00 ON MAR 1	1 690	1963
1964	---	E 1.28 E ON JUN 18	E 0.00 ON MAR 1	3 260	1964
1965	---	E 1.60 ON MAY 23	E 0.00 ON MAR 1	3 620	1965
1966	---	E 2.15 ON MAY 24	E 0.00 ON MAR 1	3 770	1966
1967	---	E 2.06 ON JUN 6	E 0.00 ON MAR 1	5 050	1967
1968	---	E 2.13 ON MAY 22	E 0.00 ON MAR 1	4 860	1968
1969	---	E 1.75 ON JUL 22	E 0.00 ON MAR 1	4 300	1969
1970	---	E 2.06 ON JUL 23	E 0.00 ON MAR 1	4 140	1970
1971	---	E 2.15 ON JUN 5	E 0.00 ON MAR 1	5 060	1971
1972	---	E 1.54 ON MAY 24	E 0.00 ON MAR 1	4 510	1972
1973	---	E 1.65 ON MAY 25	E 0.00 ON MAR 1	4 650	1973
1974	---	E 2.23 ON JUN 17	E 0.00 ON MAR 1	4 850	1974
1975	---	E 2.76 ON JUN 12 +	E 0.00 ON MAR 1	3 370	1975
1976	---	E 1.85 ON MAY 25	E 0.00 ON MAR 1	3 700	1976
1977	---	E 1.56 ON JUN 1	E 0.00 ON MAR 1	4 560	1977
1978	---	E 1.33 ON JUN 7	E 0.00 ON MAR 1	2 030	1978
1979	---	E 1.81 ON JUN 5	E 0.00 ON MAR 1	3 580	1979
1980	---	E 1.86 ON MAY 25	E 0.00 ON MAR 1	4 620	1980
1981	---	E 1.76 ON MAY 16	E 0.00 ON MAR 1	2 560	1981
1982	---	E 1.56 ON JUN 25	E 0.00 ON MAR 1	2 560	1982
1983	---	E 1.87 ON JUN 5	E 0.00 ON MAR 1	2 510	1983
1984	---	E 1.20 ON MAY 5	E 0.00 ON MAR 1	1 480	1984
1985	---	E 1.65 ON MAY 22	E 0.00 ON MAR 1	3 270	1985
1986	---	E 1.60 ON MAY 31	E 0.00 ON MAR 1	2 680	1986
				3 470	MEAN

E ICE CONDITIONS + EXTREME RECORDED FOR THE PERIOD OF RECORD
E ESTIMATED

VIDORA DITCH NEAR CONSUL (LOWER STATION) - STATION NO 11AB116

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0	0 690	0	0 617	0 110	0	0	---	---	0 205	1973
1974	---	---	---	0	0	0 859	0 598	0 095	0	0	---	---	0 221	1974
1975	---	---	0	0	0	0 586	0 352	0 132	0	0	---	---	0 149	1975
MEAN	---	---	0	0	0 230	0 475	0 522	0 112	0	0	---	---	0 192	MEAN

LOCATION - LAT 49 22 40 N
LONG 109 29 54 W REGULATED

VIDORA DITCH NEAR CONSUL (LOWER STATION) - STATION NO 11AB116

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1 50 ON MAY 12	0 ON APR 1 *	3 780	1973
1974	---	1 83 ON JUN 11	0 ON APR 1	4 080	1974
1975	---	2 05 ON JUN 12 *	0 ON APR 1	2 770	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 550	MEAN

WASCANA CREEK AT REGINA - STATION NO 05JF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	5 21	---	---	---	---	---	---	---	---	---	1924
1925	---	---	3 70	14 2	0 435	---	---	---	---	---	---	---	---	1925
1927	---	---	---	23 3	3 81	---	---	---	---	---	---	---	---	1927
1928	---	---	5 13	5 67	---	---	---	---	---	---	---	---	---	1928
1930	---	---	---	1 83	0 234	---	---	---	---	---	---	---	---	1930
1933	---	---	---	0 345	0 370	0 389	0 038	0	0	0	---	---	---	1933
1934	---	---	---	0 350	0 012	0 002	0	0	0	0	---	---	---	1934
1935	---	---	---	0 148	0 184	0 010	0 034	0	0	0	---	---	---	1935
1936	---	---	---	10 4	1 25	0 073	0 007	0 010	0 010	---	---	---	---	1936
1937	---	---	0 002	0 001	0 002	0 018	0 012	0 010	0 067	0 075	---	---	0 024	1937
1938	---	---	0 010	0 514	0 013	0 022	0 074	0 036	0 035	0 032	---	---	0 091	1938
1939	---	---	1 18	1 04	0 016	0 038	0 006	0 009	0 001	0 001	---	---	0 283	1939
1940	---	---	0 002	0 014	0 005	0 012	0 012	0 013	0 021	0 008	---	---	0 011	1940
MEAN	---	---	1 83	4 86	0 585	0 088	0 023	0 010	0 017	0 017	---	---	0 102	MEAN

LOCATION - LAT 50 27 00 N DRAINAGE AREA 3 780 km^2
LONG 104 40 00 W REGULATED

WASCANA CREEK AT REGINA - STATION NO 05JF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	---	0 ON MAR 1 *	---	1925
1927	---	58 8 ON APR 16 *	0 ON APR 2	---	1927
1928	---	---	0 ON MAR 1	---	1928
1930	---	---	0 ON APR 1	---	1930
1933	---	---	0E ON APR 1	---	1933
1934	---	---	0 ON JUN 21	---	1934
1935	---	---	0E ON APR 1	---	1935
1936	---	26 4 ON APR 19	0 ON MAY 11	---	1936
1937	---	0 184 ON OCT 1	0B ON MAR 1	505	1937
1938	---	2 15 ON APR 13	0B ON MAR 1	1 970	1938
1939	---	14 3 B ON MAR 26	0B ON MAR 1	5 990	1939
1940	---	0 235 ON JUN 8	0B ON MAR 1	226	1940
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 180	MEAN

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	14.5	15.6	---	---	---	---	---	---	---	---	1975
1976	---	---	0.082	25.7	---	---	1.29	0.342	0	---	---	---	---	1976
1977	---	---	0	0.120	0.095	0.084	0.040	0.009	0	0	---	---	0.043	1977
1978	---	---	0.511	2.98	0.361	0.252	0.018	0	0	0	---	---	0.508	1978
1979	---	---	0	9.56	6.45	0.472	0.323	0.006	0	0	---	---	2.09	1979
1980	---	---	0.019	2.73	0.045	0	0	0.172	0.009	0	---	---	0.366	1980
1981	---	---	E 0.004	0.016	0	0	0.583	0.002	0	0	---	---	0.076	1981
1982	---	---	E	17.8	2.50	0.185	0.863	0.605	0.006	0	---	---	2.70	1982
1983	---	---	0	5.23	1.65	1.01	7.12	0.825	0.013	0.005	---	---	1.86	1983
1984	---	---	2.34	1.41	0.063	0.009	0	0	0	0	---	---	0.477	1984
1985	---	---	1.85	3.93	0.047	0.013	0	0	0	0.012	---	---	0.699	1985
1986	---	---	2.10	0.322	1.83	0.005	0.001	0	0	0.003	---	---	0.538	1986
MEAN	---	---	0.611	7.02	2.89	0.201	0.931	0.178	0.003	0.002	---	---	0.948	MEAN

LOCATION - LAT 50 21 07 N DRAINAGE AREA 2 980 km²
LONG 104 26 03 W REGULATED

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	59.5 ON APR 11	0 ON MAR 1 *	---	1976
1977	---	0.416 ON JUN 2	0E ON MAR 1	815	1977
1978	6.978 AT 13 00 CST ON APR 1	5.85 B ON MAR 31	0B ON MAR 1	10 700	1978
1979	36.5 AT 22 00 CST ON APR 24	37.2 ON APR 25	0B ON MAR 1	84 200	1979
1980	6.92 AT 04 00 CST ON APR 8	5.67 ON APR 8	0B ON MAR 1	7 740	1980
1981	5.60 AT 00 30 CST ON JUL 15	5.19 ON JUL 15	0B ON MAR 1	1 620	1981
1982	67.1 AT 20 35 CST ON APR 19 *	62.5 ON APR 20 *	0B ON MAR 1	57 200	1982
1983	13.6 AT 08 00 CST ON JUL 25	13.5 ON APR 23	0 ON MAR 1	42 000	1983
1984	10.8 AT 17 54 CST ON MAR 28	10.7 ON MAR 28	0B ON MAR 1	10 100	1984
1985	20.6 B AT 11 00 CST ON MAR 31	17.5 B ON MAR 31	0B ON MAR 1	14 800	1985
1986	6.52 AT 16 05 CST ON MAY 10	6.36 ON MAY 10	0B ON MAR 1	11 400	1986
				20 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	0.309	0.325	0.331	0.184	0.151	---	---	---	---	---	---	1945
1946	---	---	1.82	0.798	0.240	0.334	0.333	0.157	0.175	0.211	---	---	---	1946
1947	---	---	0.016	20.2	3.65	1.03	0.329	0.285	0.239	0.221	---	---	---	1947
1948	---	---	0.041	20.1	12.5	0.533	0.221	0.156	0.119	0.203	---	---	---	1948
1949	---	---	0.215	0.818	0.714	0.417	0.343	0.241	0.214	0.227	---	---	---	1949
1950	---	---	0.251	5.01	1.47	0.387	0.340	0.234	0.259	0.256	---	---	---	1950
1951	---	---	0.113	7.92	8.33	1.32	0.289	0.140	0.133	0.471	---	---	---	1951
1952	---	---	---	9.88	1.25	0.420	0.379	0.296	0.339	0.258	---	---	---	1952
1953	---	---	1.48	5.71	1.61	3.78	3.71	2.08	0.854	0.300	---	---	---	1953
1954	---	---	0.305	1.99	1.43	2.50	0.965	1.13	0.705	0.457	---	---	---	1954
1955	---	---	0.259	20.0	18.3	1.38	5.99	1.40	0.563	0.387	---	---	---	1955
1956	---	---	0.189	30.5	5.89	1.54	1.34	0.601	0.409	0.421	---	---	---	1956
1957	---	---	3.43	7.37	0.868	0.532	0.382	0.414	0.607	0.313	---	---	---	1957
1958	---	---	0.682	3.40	0.444	0.332	0.485	0.501	0.392	0.418	---	---	---	1958
1959	---	---	0.871	0.786	0.474	0.581	0.345	0.252	0.478	0.500	---	---	---	1959
1960	---	---	0.701	11.8	1.00	3.88	1.13	0.214	0.089	0.XXX	---	---	---	1960
1961	---	---	0.177	0.531	0.700	0.364	0.528	0.274	0.357	0.582	0.698	---	---	1961
1962	---	---	0.530	2.80	0.853	0.815	0.577	0.702	0.280	0.558	---	---	---	1962
1963	---	---	0.438	0.773	0.599	0.716	1.06	0.553	0.622	0.694	---	---	---	1963
1964	---	---	0.210	1.42	0.604	0.756	1.49	0.511	0.506	0.266	---	---	---	1964
1965	---	---	0.211	5.52	1.99	4.73	1.02	0.580	0.471	0.163	---	---	---	1965
1966	---	---	2.86	7.96	1.00	0.613	0.150	0.373	0.653	0.509	---	---	---	1966
1967	---	---	0.516	13.7	2.24	0.798	0.685	0.894	0.490	0.352	---	---	---	1967
1968	---	---	2.02	1.33	0.548	0.659	0.202	0.778	0.777	0.242	---	---	---	1968
1969	---	---	0.180	25.1	0.987	0.354	0.621	0.245	0.386	0.312	---	---	---	1969
1970	---	---	0.192	11.7	8.69	2.95	0.640	0.384	1.16	0.318	---	---	---	1970
1971	0.382	0.376	1.16	30.8	1.86	0.484	0.548	0.192	0.267	0.209	---	---	---	1971
1972	---	---	2.06	4.52	1.16	0.747	0.816	0.945	0.586	0.431	0.185	0.271	---	1972
1973	0.378	0.419	0.845	1.05	1.20	1.31	1.75	0.788	0.600	0.468	0.330	0.496	0.806	1973
1974	0.513	0.389	0.421	43.8	18.0	3.48	0.898	1.25	1.40	0.533	0.417	0.415	5.87	1974
1975	0.324	0.295	0.812	19.1	23.7	5.82	2.73	0.919	1.08	0.836	0.189	0.432	4.77	1975
1976	0.335	0.432	1.29	40.8	3.74	12.8	3.08	0.985	0.669	0.265	0.464	0.390	5.88	1976
1977	0.240	0.383	0.682	0.982	1.14	0.761	0.942	0.609	0.563	0.234	0.410	0.460	0.615	1977
1978	0.378	0.298	1.22	5.71	1.46	1.28	0.619	0.826	0.945	0.514	0.560	0.495	1.21	1978
1979	0.478	0.482	0.651	14.5	11.4	1.27	0.937	0.601	0.506	0.444	0.386	0.378	2.67	1979
1980	0.347	0.365	1.02	5.80	0.790	0.784	0.939	0.832	0.840	0.786	0.285	0.132	1.07	1980
1981	0.376	0.618	0.757	1.20	0.821	0.934	1.34	0.923	0.965	1.22	0.570	0.576	0.890	1981
1982	0.478	0.382	0.540	32.8	6.51	1.35	1.78	1.17	0.822	0.760	0.633	0.510	3.95	1982
1983	0.564	0.550	0.989	9.37	4.35	2.05	12.1	3.26	0.941	0.592	0.709	0.263	2.99	1983
1984	0.451	0.780	3.90	6.34	0.971	0.983	0.702	0.810	0.533	0.823	0.728	0.542	1.30	1984
1985	0.295	0.454	4.04	5.61	1.37	0.949	0.702	0.831	0.660	0.803	0.385	0.532	1.65	1985
1986	0.625	0.586	3.70	1.80	5.61	0.907	1.35	0.776	1.15	0.374	0.584	0.518	1.52	1986
MEAN	0.410	0.457	1.01	10.5	3.85	1.82	1.31	0.711	0.584	0.451	0.471	0.426	2.48	MEAN

LOCATION - LAT 50 38 10 N DRAINAGE AREA 4 520 km²
LONG 104 54 35 W REGULATED

REMARKS - RECORDS TO 1948 COLLECTED AT NWOT 19-21-W2

WASCANA CREEK NEAR LUMSDEN - STATION NO 05JF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	0 0 ON MAR 1 *	---	1945
1946	---	6 808 ON MAR 23	0 0859 ON MAR 1	---	1946
1947	---	39 4 ON APR 18	0 0 ON MAR 1	---	1947
1948	---	85 4 ON APR 24	0 0 ON MAR 1	---	1948
1949	---	7 22 ON MAY 30	0 1138 ON MAR 12	---	1949
1950	---	15 4 ON APR 17	0 0288 ON MAR 16	---	1950
1951	---	28 6 ON MAY 4	0 059 ON AUG 11	---	1951
1952	---	23 3 E ON APR 4	0 034 ON AUG 3	---	1952
1953	---	17 7 E ON MAR 29	0 003 ON SEP 23	---	1953
1954	---	6 80 ON AUG 27	0 1138 ON APR 2	---	1954
1955	---	53 5 ON MAY 8	0 1428 ON MAR 22	---	1955
1956	---	82 6 ON APR 30	0 1428 ON MAR 25	---	1956
1957	---	16 1 E ON APR 8	0 1138 ON MAR 9	---	1957
1958	---	7 658 ON APR 8	0 0858 ON MAR 1	---	1958
1959	---	2 018 ON MAR 23	0 110 ON JUL 30	---	1959
1960	32 3 AT 23 30 CST ON JUN 26	23 8 ON APR 7	0 0 ON MAR 1	---	1960
1961	1 59 AT 14 00 CST ON JUN 1	1 19 ON JUN 1	0 0 ON MAR 1	---	1961
1962	9 74 AT 11 30 CST ON APR 16	8 728 ON APR 16	0 0148 ON MAR 1	---	1962
1963	8 46 AT 01 00 CST ON JUL 11	6 17 ON JUL 11	0 1988 ON MAR 1	---	1963
1964	---	5 558 ON APR 26	0 1428 ON MAR 1	---	1964
1965	18 9 AT 07 00 CST ON APR 15	16 7 ON APR 15	0 045 ON OCT 12	---	1965
1966	23 5 E AT 23 00 CST ON APR 2	21 6 E ON APR 2	0 020 ON JUL 24	---	1966
1967	---	40 2 A ON APR 18	0 028 ON SEP 9	---	1967
1968	10 1 E AT 06 00 CST ON MAR 8	6 808 ON MAR 7	0 040 ON OCT 6	---	1968
1969	88 5 AT 16 00 CST ON APR 13	85 4 ON APR 13	0 0288 ON OCT 30	---	1969
1970	---	27 3 ON APR 11	0 051 ON OCT 26	---	1970
1971	130 ON APR 13	82 3 ON APR 14	0 028 ON OCT 10	---	1971
1972	11 9 E AT 05 56 CST ON MAR 23	10 8 E ON MAR 23	0 045 ON NOV 1	---	1972
1973	7 62 AT 10 35 CST ON JUN 5	5 92 ON JUN 5	0 001 ON SEP 11	25 400	1973
1974	182 AT 04 34 CST ON APR 22 *	153 ON APR 22 *	0 1278 ON DEC 3	185 000	1974
1975	74 2 AT 19 46 CST ON JUN 27	60 3 ON JUN 27	0 105 ON NOV 10	150 000	1975
1976	---	85 0 ON APR 8	0 074 ON OCT 15	171 000	1976
1977	8 88 AT 07 46 CST ON JUL 12	6 95 ON JUL 12	0 035 ON OCT 28	19 400	1977
1978	---	12 5 E ON APR 6	0 018 ON OCT 22	38 000	1978
1979	66 0 AT 00 46 CST ON APR 25	57 8 ON APR 25	0 203 ON NOV 2	84 100	1979
1980	12 6 E AT 22 38 CST ON APR 5	11 7 E ON APR 9	0 0248 ON DEC 4	33 800	1980
1981	6 66 AT 01 31 CST ON OCT 14	4 73 ON OCT 14	0 238 ON NOV 3	27 100	1981
1982	115 AT 05 39 CST ON APR 20	99 0 ON APR 19	0 173 ON OCT 12	125 000	1982
1983	37 6 AT 18 07 CST ON JUL 10	33 5 ON JUL 11	0 0808 ON DEC 14	84 300	1983
1984	17 4 E AT 21 34 CST ON MAR 29	17 1 E ON MAR 29	0 022 ON SEP 11	41 000	1984
1985	24 9 E AT 18 04 CST ON APR 4	22 3 E ON APR 5	0 044 ON SEP 5	52 100	1985
1986	17 8 AT 18 04 CST ON MAY 10	15 9 ON MAY 10	0 045 ON OCT 30	47 900	1986
				78 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASCANA CREEK NEAR RICHARDSON - STATION NO 05JF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	0	0	0	1 78	0	0	0	0	0	0	0	0	0 218	1962
1963	0	0	0 084	0 031	0	0 055	0 023	0	0	0	0	0	0 022	1963
1964	---	---	0	0 593	0 006	0	0 320	0	0	0	---	---	0 114	1964
1965	---	---	0	2 83	0 577	2 01	0 012	0	0	0	---	---	0 867	1965
1966	---	---	1 34	3 93	0 114	0	0	0	0	0	---	---	0 853	1966
1967	---	---	0	8 43	0 850	0	0	0	0	0	---	---	1 11	1967
1968	---	---	1 75	0 318	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	15 3	0 080	0	0	---	---	---	---	---	---	1969
1970	---	---	0	8 14	2 72	1 90	0	0	0	0	---	---	1 33	1970
1971	---	---	0	20 7	0 335	0	0	0	0	0	---	---	2 58	1971
1972	---	---	0 717	3 08	0 061	0	0	0	0	0	---	---	0 476	1972
1973	---	---	0 030	0	0	0	1 18	0	0	0	---	---	0 183	1973
1974	---	---	---	37 3	---	---	---	---	---	---	---	---	---	1974
1975	---	---	---	15 2	16 6	---	---	---	---	---	---	---	---	1975
MEAN	0	0	0 317	7 85	1 81	0 301	0 140	0	0	0	0	0	0 732	MEAN

LOCATION - LAT 50 23 51 N LONG 104 28 13 W
DRAINAGE AREA 3 130 km^2
REGULATED

WASCANA CREEK NEAR RICHARDSON - STATION NO. 05JF009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	5.47 ON APR 11	0B ON MAR 1 *	4 620	1962
1963	---	0.368 ON MAR 25	0B ON MAR 1	459	1963
1964	---	2.12 ON JUL 5	0E ON MAR 1	2 410	1964
1965	---	10.2 B ON APR 12	0E ON MAR 1	14 100	1965
1966	---	14.2 ON MAR 31	0B ON MAR 1	13 800	1966
1967	---	28.6 ON APR 15	0 ON MAR 1	23 600	1967
1968	---	---	0E ON MAR 1	---	1968
1969	---	45.3 E ON APR 14	0E ON MAR 1	---	1969
1970	---	13.6 B ON APR 15	0B ON MAR 1	28 100	1970
1971	---	74.8 ON APR 11	0 ON MAR 1	54 600	1971
1972	---	5.18 ON APR 7	0B ON MAR 1	10 100	1972
1973	---	5.30 ON JUL 4	0E ON MAR 1	3 230	1973
1974	---	102 E ON APR 23 *	0E ON APR 1	---	1974
1975	---	---	---	---	1975
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 500	MEAN

WASCANA CREEK NEAR SEDLEY - STATION NO. 05JF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.021	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0	0.007	0.017	0.022	---	---	---	---	---	---	---	1945
1946	---	---	0.635	0.168	0	0	---	---	---	---	---	---	---	1946
1947	---	---	0	7.08	0.396	0.131	---	---	---	---	---	---	---	1947
1948	---	---	0	6.87	0.992	0.025	---	---	---	---	---	---	---	1948
1949	---	---	0	0.077	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0	1.05	0.016	0.287	---	---	---	---	---	---	---	1950
1951	---	---	0	3.90	1.30	0	---	---	---	---	---	---	---	1951
1952	---	---	0.145	2.75	0.003	0	---	---	---	---	---	---	---	1952
1953	---	---	0.277	1.47	0.097	8.42	---	---	---	---	---	---	---	1953
1954	---	---	0.008	0.742	0.014	1.04	---	---	---	---	---	---	---	1954
1955	---	---	0	4.81	1.94	0.025	0.426	0.010	0	0	---	---	0.893	1955
1956	---	---	0	8.41	0.618	0.991	0.148	0.018	0.008	0	---	---	1.25	1956
1957	---	---	0.788	0.533	0.010	0	0	0	0	0	---	---	0.166	1957
1958	---	---	0.205	0.853	0	0	0	0	0	0	---	---	0.130	1958
1959	---	---	0.018	0.007	0	0.016	0.002	0	0	0	---	---	0.005	1959
1960	---	---	0	2.13	0.001	0.016	0	0	0	0	---	---	0.262	1960
1961	---	---	0.003	0.022	0.001	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0.001	0.553	0	0.001	0	0	0	0	---	---	0.068	1962
1963	---	---	0.008	0.015	0.008	0.013	0.084	0.005	0.001	0	---	---	0.017	1963
1964	---	---	0	0.347	0.017	0.002	0	0.005	0	0	---	---	0.045	1964
1965	---	---	0	0.815	0.400	0.180	0.004	0.003	0.001	0	---	---	0.173	1965
1966	---	---	0.883	0.888	0.035	0.001	0.001	0	0	0	---	---	0.200	1966
1967	---	---	0	2.27	0.041	0	0	0	0	0	---	---	0.283	1967
1968	---	---	0.014	0.073	0.012	0	0	0.011	0.001	0	---	---	0.014	1968
1969	---	---	0	5.33	0.023	0	0.003	0	0	0	---	---	0.655	1969
1970	---	---	0	2.71	1.11	0.972	0.102	0.016	0.001	0.012	---	---	0.609	1970
1971	---	---	0	5.57	0.058	0.022	0.055	0	0	0	---	---	0.700	1971
1972	---	---	0.817	0.529	0.015	0.001	0	0	0	0	---	---	0.170	1972
1973	---	---	0.004	0.003	0.004	0.005	0	0	0	0	---	---	0.002	1973
1974	---	---	0	9.69	1.87	0.046	0	0.482	0.006	0.006	---	---	1.47	1974
1975	---	---	0.011	82.3	7.83	0.121	0.004	0	0	0	---	---	2.49	1975
1976	---	---	0	13.3	0.722	1.27	0.451	0.091	0.001	0	---	---	1.84	1976
1977	---	---	0.004	0.008	0.002	0.001	0.002	0	0.001	0.001	---	---	0.002	1977
1978	---	---	0.299	0.813	0.046	0.015	0	0	0	0	---	---	0.145	1978
1979	---	---	0	4.82	2.73	0.154	0.001	0	0	0	---	---	0.955	1979
1980	---	---	0.137	1.50	0.001	0	0	0.238	0.005	0	---	---	0.230	1980
1981	---	0.001	0.003	0.001	0	0	0.134	0.013	0	0.002	---	---	0.019	1981
1982	---	---	0	7.38	0.421	0.014	0.341	0.008	0	0.001	---	---	1.00	1982
1983	---	---	0	4.28	0.831	0.935	1.15	0.687	0.007	0.009	---	---	0.977	1983
1984	---	---	0.812	0.261	0.004	0	0	0	0	0	---	---	0.135	1984
1985	---	---	1.83	0.826	0.003	0	0	0	0	0	---	---	0.333	1985
1986	---	---	0.715	0.088	0.317	0.001	0	0	0	0	---	---	0.143	1986
MEAN	---	0.001	0.193	2.68	0.500	0.342	0.091	0.049	0.001	0.001	---	---	0.484	MEAN

LOCATION - LAT 50 08 10 N, LONG 104 01 50 W
DRAINAGE AREA, 1 820 km^2
REGULATED SINCE 1950

WASCANA CREEK NEAR SEDLEY - STATION NO 05JF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	0.155 ON APR 5	0 ON MAR 1 *	---	1944
1945	---	---	---	---	1945
1946	---	3.57 ON MAR 28	0.8 ON MAR 1	---	1946
1947	---	37.9 ON APR 13	0 ON MAR 1	---	1947
1948	---	45.6 ON APR 22	0 ON MAR 1	---	1948
1949	---	0.552 ON APR 7	0.8 ON MAR 1	---	1949
1950	---	5.49 ON APR 16	0.8 ON MAR 1	---	1950
1951	---	14.6 ON APR 27	0.8 ON MAR 1	---	1951
1952	---	7.14 ON APR 6	0.8 ON MAR 1	---	1952
1953	---	32.6 ON JUN 3	0.8 ON MAR 1	---	1953
1954	---	---	0.8 ON MAR 1	---	1954
1955	---	16.3 B ON APR 3	0.8 ON MAR 1	18 900	1955
1956	---	51.5 B ON APR 13	0.8 ON MAR 1	26 500	1956
1957	---	3.82 B ON MAR 24	0.8 ON MAR 1	3 520	1957
1958	---	5.78 ON APR 1	0.8 ON MAR 1	2 780	1958
1959	---	0.2558 ON MAR 26	0.8 ON MAR 1	114	1959
1960	---	6.81 ON APR 6	0.8 ON MAR 1	5 580	1960
1961	---	0.0578 ON MAR 31	0.8 ON MAR 1	88.4	1961
1962	3.09 B AT 08:00 CST ON APR 5	3.05 B ON APR 5	0.8 ON MAR 1	1 440	1962
1963	0.210 AT 03:00 CST ON JUL 14	0.207 ON JUL 14	0.8 ON MAR 1	357	1963
1964	2.31 B AT 07:30 CST ON APR 2	1.99 B ON APR 2	0.8 ON MAR 1	963	1964
1965	2.78 AT 17:00 CST ON MAY 27	2.84 ON MAY 27	0.8 ON MAR 1	3 670	1965
1966	---	4.50 B ON MAR 29	0.8 ON MAR 1	4 230	1966
1967	13.1 B AT 00:00 CST ON APR 11	11.3 B ON APR 10	0.8 ON MAR 1	6 000	1967
1968	0.2448 AT 10:00 CST ON APR 6	0.2328 ON APR 6	0.8 ON MAR 1	290	1968
1969	42.8 AT 20:30 CST ON APR 10	36.4 ON APR 11	0.8 ON MAR 1	13 900	1969
1970	18.7 AT 05:30 CST ON JUN 11	15.0 ON APR 10	0.8 ON MAR 1	12 900	1970
1971	28.2 B AT 21:00 CST ON APR 8	25.2 B ON APR 8	0.8 ON MAR 1	14 800	1971
1972	4.33 B AT 12:12 CST ON MAR 29	3.51 B ON MAR 29	0.8 ON MAR 1	3 600	1972
1973	---	0.034 ON JUN 5	0.8 ON MAR 1	41.4	1973
1974	82.0 AT 18:52 CST ON APR 19 *	58.3 ON APR 19 *	0.8 ON MAR 1	31 000	1974
1975	51.3 AT 23:37 CST ON APR 28	46.4 ON APR 29	0.8 ON MAR 1	52 700	1975
1976	---	50.7 A ON APR 7	0.8 ON MAR 1	41 100	1976
1977	0.0318 AT 10:53 CST ON MAR 30	0.026 ON JUL 12	0.8 ON MAR 1	48.5	1977
1978	3.28 B AT 21:59 CST ON MAR 29	3.17 ON MAR 31	0.8 ON MAR 1	3 070	1978
1979	41.7 AT 02:23 CST ON APR 22	36.1 ON APR 22	0.8 ON MAR 1	20 200	1979
1980	5.90 AT 10:14 CST ON APR 4	5.71 ON APR 4	0.8 ON MAR 1	4 870	1980
1981	0.816 AT 07:47 CST ON JUL 15	0.651 ON JUL 15	0.8 ON MAR 2	411	1981
1982	51.4 B AT 23:35 CST ON APR 16	47.4 B ON APR 17	0.8 ON MAR 1	21 200	1982
1983	29.3 AT 08:46 CST ON APR 19	26.5 ON APR 19	0.8 ON MAR 1	20 700	1983
1984	5.40 AT 16:06 CST ON MAR 28	5.03 ON MAR 29	0.8 ON MAR 1	2 860	1984
1985	12.3 B AT 11:27 CST ON MAR 20	7.88 B ON MAR 20	0.8 ON MAR 1	7 080	1985
1986	2.92 AT 12:08 CST ON MAR 19	1.89 ON MAR 19	0.8 ON MAR 1	3 020	1986
				10 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERFOUND RIVER BELOW THERIAU LAKE - STATION NO 07LB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	21.5	19.6	---	---	---	1973
1974	---	---	---	---	---	19.0	21.9	21.4	21.0	19.4	18.3	18.1	---	1974
1975	18.5	17.5	16.9	16.2	18.0	20.4	25.3	26.1	22.4	19.8	18.2	17.3	19.8	1975
1976	16.8	16.9	16.6	16.6	19.1	19.7	22.3	27.8	32.4	35.4	33.0	28.8	23.8	1976
1977	25.9	23.7	21.9	22.7	29.4	---	---	---	40.2	32.4	26.0	23.1	---	1977
1978	21.8	20.3	19.2	20.8	27.1	31.2	28.8	26.9	26.4	26.9	24.7	22.1	24.7	1978
1979	21.1	19.8	19.7	20.7	23.9	26.8	24.2	21.8	22.0	24.8	25.1	23.7	22.8	1979
1980	22.6	20.7	19.4	19.2	20.3	19.8	20.3	21.9	20.6	21.8	23.0	22.9	21.0	1980
1981	22.6	20.4	19.7	15.8	25.7	26.4	24.3	20.1	15.1	13.1	11.8	12.1	19.3	1981
1982	11.5	11.5	11.6	12.1	17.2	22.4	22.1	22.7	23.5	19.3	16.8	16.5	17.3	1982
1983	16.5	16.2	16.3	16.5	18.4	20.3	20.0	19.5	22.2	21.8	21.6	20.7	19.2	1983
1984	20.1	19.8	18.3	20.6	23.8	25.6	24.7	22.1	19.1	17.1	17.1	17.2	20.5	1984
1985	16.6	16.3	16.7	16.0	24.1	25.6	25.6	26.0	28.5	26.9	24.9	23.3	22.9	1985
1986	22.0	21.2	20.0	19.6	27.1	33.2	36.8	36.3	32.5	27.0	24.1	22.5	26.9	1986
MEAN	19.7	18.7	18.0	18.6	22.8	24.3	24.8	24.4	24.8	23.2	21.8	20.7	21.7	MEAN

LOCATION - LAT 58 23 10 N
LONG 104 36 30 W

DRAINAGE AREA 3 160 km^2
NATURAL FLOW

WATERFOUND RIVER BELOW THERIAL LAKE · STATION NO 07LB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	...	...	...	...	1973
1974	...	23 1 ON JUL 20	...	...	1974
1975	...	27 5 ON JUL 28	15 8 ON APR 10	625 000	1975
1976	36 5 AT 07 54 CST ON OCT 25	36 5 ON OCT 24	15 9 ON APR 11	753 000	1976
1977	...	...	...	...	1977
1978	32 6 AT 17 18 CST ON JUN 2	32 0 ON MAY 28	18 6 ON MAR 4	780 000	1978
1979	28 7 AT 03 33 CST ON JUN 4	28 2 ON JUN 4	19 2 ON APR 4	720 000	1979
1980	23 9 AT 03 24 CST ON DEC 17	23 8 ON DEC 17	18 8E ON APR 3	665 000	1980
1981	28 9 AT 14 56 CST ON MAY 31	28 6 ON JUN 3	11 4 ON NOV 18	607 000	1981
1982	26 5 AT 12 03 CST ON SEP 20	26 3A ON SEP 20	11 2 ON JAN 21 *	545 000	1982
1983	25 7 AT 18 29 CST ON SEP 23	24 7 ON SEP 23	15 8 ON MAR 29	605 000	1983
1984	27 2 AT 09 46 CST ON JUN 8	26 8 ON JUN 6	16 5 ON NOV 2	647 000	1984
1985	30 2 AT 22 20 CST ON SEP 10	30 1 ON SEP 10	16 0 ON FEB 16	723 000	1985
1986	40 5 AT 21 26 CST ON JUL 3 *	39 2 ON JUL 3 *	18 9 ON APR 10	848 000	1986
				683 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERHEN RIVER ABOVE BEAVER RIVER · STATION NO 05AF006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	7 86	8 11	10 1	17 2	24 3	30 7	40 1	39 2	44 5	45 4	41 8	38 6	28 1	1973
1974	27 2	24 3	22 9	46 1	76 5	91 9	81 9	68 1	62 0	54 4	45 5	41 8	53 9	1974
1975	41 7	16 0	22 5	32 3	41 2	44 2	47 7	55 3	48 4	44 0	35 9	21 3	37 7	1975
1976	19 3	20 0	17 0	25 2	24 1	21 5	24 9	25 3	27 7	27 3	22 3	13 7	22 3	1976
1977	10 6	13 6	9 75	15 7	20 4	18 2	15 6	21 2	22 2	21 3	14 2	7 99	15 9	1977
MEAN	21 3	16 4	16 5	27 3	37 7	41 3	42 0	41 8	41 0	38 5	31 9	24 7	31 8	MEAN

LOCATION - LAT 54 39 00 N LONG 107 51 20 W DRAINAGE AREA 11 100 km^2 NATURAL FLOW

WATERHEN RIVER ABOVE BEAVER RIVER · STATION NO 05AF006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	55 5 AT 19 03 CST ON JUL 3	54 1 ON JUL 3	7 65B ON JAN 1	916 000	1973
1974	...	98 5E ON JUN 17 *	19 0 B ON MAR 16	1 700 000	1974
1975	80 3 AT 02 16 CST ON AUG 12 *	80 3 ON AUG 12	10 8 B ON FEB 3	1 190 000	1975
1976	34 3 AT 17 51 CST ON JUL 15	34 3 ON JUL 15	6 23B ON DEC 29	706 000	1976
1977	26 3 AT 15 26 CST ON MAY 29	26 1 ON MAY 29	5 10B ON DEC 6 *	501 000	1977
				1 000 000	MEAN

B - ICE CONDITIONS E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERHEN RIVER NEAR GOODSOIL · STATION NO 05AF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	...	...	7 32	7 70	11 4	13 3	12 4	11 1	8 25	6 04	...	...	...	1967
1968	...	...	2 65	2 52	2 95	2 96	2 86	3 88	4 27	5 53	5 45	4 37	...	1968
1969	3 70	5 03	5 07	8 76	16 1	17 6	16 5	15 1	11 6	10 5	9 38	8 02	10 6	1969
1970	7 30	7 07	7 70	11 4	17 5	17 3	37 1	43 9	42 2	36 4	32 3	28 4	24 2	1970
1971	26 0	23 8	20 9	22 8	29 3	29 5	32 8	34 4	27 7	20 0	13 9	10 4	24 3	1971
1972	9 25	8 99	10 1	12 2	21 0	21 9	18 2	17 6	13 8	10 7	8 63	6 55	13 3	1972
1973	6 18	5 95	6 22	7 16	12 4	21 1	27 6	33 3	33 4	33 6	32 6	30 1	20 9	1973
1974	29 1	27 9	26 4	29 7	72 5	92 2	77 9	59 9	46 6	38 E	32 7	25 8	45 7	1974
1975	21 9	21 0	20 4	21 1	29 1	39 8	47 2	41 2	36 4	32 5	26 1	20 7	29 8	1975
1976	19 0	17 9	16 5	17 2	17 7	17 9	18 9	25 7	26 1	22 3	17 5	13 1	19 2	1976
1977	12 0	12 2	11 4	12 1	17 0	21 5	21 4	21 9	18 6	15 7	12 0	10 2	15 5	1977
1978	11 3	11 6	10 6	10 3	16 9	27 4	24 3	18 9	17 1	15 3	10 1	7 74	15 1	1978
1979	6 60	6 26	6 42	7 44	12 3	18 4	25 1	21 5	18 0	17 7	14 7	12 2	14 0	1979
1980	10 6	10 3	9 89	10 9	12 1	11 6	10 3	10 9	13 3	17 5	17 9	15 2	12 6	1980
1981	15 6	14 8	13 9	14 6	14 3	12 8	11 4	9 47	6 52	4 59	3 69	2 55	10 3	1981
1982	1 92	1 74	2 64	3 85	6 64	10 6	15 0	15 7	14 6	12 5	10 2	8 43	8 70	1982
1983	7 78	7 75	7 45	8 32	9 36	8 32	11 2	11 1	10 2	8 40	8 03	7 42	8 79	1983
1984	6 54	6 05	6 02	7 30	9 01	16 3	18 6	16 6	12 8	10 8	8 52	7 20	10 5	1984
1985	6 34	5 61	6 18	7 04	10 4	15 5	18 5	13 4	12 2	10 0	7 89	6 28	9 82	1985
1986	6 07	5 88	5 42	6 37	8 68	12 0	18 0	27 7	25 1	21 9	18 3	15 6	14 3	1986
MEAN	11 5	11 1	10 1	11 4	17 3	21 4	23 3	22 7	20 0	17 6	15 3	12 7	17 1	MEAN

LOCATION - LAT 54 26 45 N LONG 109 13 21 W DRAINAGE AREA 7 760 km^2 NATURAL FLOW

WATERHEN RIVER NEAR GOODSOIL - STATION NO 05AF005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	7.28 AT 20 00 CST ON OCT 26	6.68 ON OCT 26	---	---	1968
1969	18.9 AT 18 00 CST ON JUN 10	18.5 ON JUN 10	3.28 B ON JAN 15	336 000	1969
1970	48.1 AT 03 45 CST ON AUG 18	46.7 ON AUG 18	6.43 B ON MAR 1	782 000	1970
1971	37.1 AT 15 05 CST ON JUL 28	36.6 ON JUL 25	9.37 B ON DEC 31	767 000	1971
1972	24.5 AT 17 32 CST ON JUN 1	23.5 ON JUN 1	8.12 A ON DEC 20	422 000	1972
1973	36.0 AT 06 07 CST ON AUG 15	35.7 ON AUG 14	5.86 ON MAR 1	659 000	1973
1974	100 AT 01 18 CST ON JUN 13 *	98.5 ON JUN 13 *	23.3 ON APR 12	1 470 000	1974
1975	51.8 AT 18 42 CST ON JUL 4	51.0 ON JUL 4	19.5 ON DEC 24	940 000	1975
1976	28.3 AT 22 49 CST ON AUG 17	27.9 ON AUG 18	12.1 E ON DEC 31	608 000	1976
1977	24.0 AT 16 22 CST ON AUG 9	23.3 ON AUG 9	9.83 ON DEC 10	490 000	1977
1978	30.0 AT 19 25 CST ON JUN 24	28.6 ON JUN 25	7.16 ON DEC 29	477 000	1978
1979	28.4 AT 00 07 CST ON JUL 22	27.5 ON JUL 22	5.24 E ON FEB 5	442 000	1979
1980	20.4 AT 15 28 CST ON OCT 29	19.1 ON OCT 29	5.42 ON MAR 20	400 000	1980
1981	16.1 AT 00 00 CST ON JAN 1	16.0 ON JAN 1	0.890E ON OCT 27 *	326 000	1981
1982	17.3 AT 21 11 CST ON AUG 6	16.7 ON AUG 4	1.48 B ON FEB 7	274 000	1982
1983	12.8 AT 05 53 CST ON JUL 27	12.5 ON JUL 27	5.89 ON DEC 23	277 000	1983
1984	20.5 AT 14 53 CST ON JUN 30	19.7 ON JUL 22	5.76 B ON FEB 28	332 000	1984
1985	18.6 AT 17 56 CST ON JUN 24	17.9 ON JUL 3	5.24 B ON FEB 11	310 000	1985
1986	29.6 AT 11 31 CST ON AUG 15	28.8 ON AUG 15	5.09 B ON MAR 7	451 000	1986
				581 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATHAMAN RIVER BELOW WATHAMAN LAKE - STATION NO 08DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	85.6	86.6	105	89.1	68.8	---	1971
1972	---	---	---	---	---	---	65.0	51.5	41.9	65.6	89.1	52.8	---	1972
1973	39.5	32.3	27.7	27.8	58.6	---	---	---	73.1	53.4	50.8	45.3	---	1973
1974	37.3	31.5	28.0	32.7	88.7	73.5	---	---	117	102	---	---	---	1974
1975	---	---	---	---	---	105	200	138	81.8	84.0	---	---	---	1975
1976	---	---	25.4	30.9	46.3	53.3	159	246	159	116	96.0	67.7	---	1976
1977	50.2	40.1	33.7	60.5	157	215	159	109	89.2	89.5	74.0	52.7	94.5	1977
1978	38.1	30.3	25.3	23.7	141	208	142	130	167	146	102	71.2	102	1978
1979	50.4	38.7	32.2	28.9	71.7	127	127	118	95.5	104	103	74.9	81.1	1979
1980	53.8	41.6	32.4	41.1	70.8	45.3	36.8	44.2	45.0	65.4	68.8	48.5	49.5	1980
1981	37.4	30.7	27.0	25.7	96.2	81.7	53.6	35.1	25.1	24.4	23.9	23.8	40.5	1981
1982	19.2	15.7	14.0	15.4	90.8	117	88.7	75.2	86.2	50.2	39.2	32.3	52.2	1982
1983	27.6	23.8	21.4	24.4	53.2	110	92.6	78.3	103	129	88.6	83.0	67.9	1983
1984	43.9	35.1	29.2	53.1	94.1	77.3	62.0	50.1	38.8	34.8	40.6	38.2	49.9	1984
1985	32.1	27.1	25.0	26.6	172	123	115	77.7	80.7	68.3	55.8	38.9	70.5	1985
1986	29.1	24.2	21.5	29.2	134	155	105	121	78.7	57.4	45.8	36.5	70.1	1986
MEAN	38.3	30.9	26.4	32.3	98.0	115	108	97.0	84.3	78.8	67.5	51.1	67.8	MEAN

LOCATION - LAT 57 05 20 N
LONG 103 42 40 W
DRAINAGE AREA 10 200 km^2
NATURAL FLOW

WATHAMAN RIVER BELOW WATHAMAN LAKE - STATION NO 08DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	211 AT 08 38 CST ON JUL 9	210 ON JUL 8	---	---	1975
1976	317 AT 19 20 CST ON JUL 31 *	317 ON AUG 1 *	23.9 ON APR 4	---	1976
1977	---	236 ON JUN 12	30.6 ON APR 7	2 980 000	1977
1978	237 AT 21 14 CST ON MAY 31	236 ON MAY 31	22.8 ON APR 23	3 230 000	1978
1979	147 AT 19 57 CST ON JUL 19	146 ON JUL 25	27.8 ON APR 11	2 560 000	1979
1980	79.0 AT 18 20 CST ON MAY 7	78.9 ON MAY 8	29.0 ON APR 10	1 570 000	1980
1981	---	125 E ON MAY 20	23.1E ON OCT 9	1 280 000	1981
1982	125 AT 14 14 CST ON JUN 11	124 ON JUN 11	13.8E ON MAR 21 *	1 650 000	1982
1983	154 AT 15 24 CST ON SEP 30	152 ON SEP 30	19.7 ON APR 5	2 140 000	1983
1984	99.6 AT 23 13 CST ON MAY 8	99.3 ON MAY 2	26.9 ON APR 3	1 580 000	1984
1985	221 AT 11 58 CST ON MAY 20	218 ON MAY 20	23.5 ON APR 12	2 220 000	1985
1986	213 AT 16 55 CST ON MAY 28	211 ON MAY 28	20.5 ON APR 2	2 210 000	1986
				2 140 000	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.080	0.028	0.013	0.005	0.001	0	0.001	0.005	---	---	0.014	1931
1932	---	---	0.323	0.099	0.018	0.019	0.003	0	0.004	0.004	---	---	0.059	1932
1933	---	---	0.557	0.137	0.031	0.034	0.033	0.054	0.014	0.008	---	---	0.109	1933
1934	---	---	0.086	0.136	0.004	0.004	0	0	0.001	0.008	---	---	0.027	1934
1935	---	---	0.011	0.080	0.015	0.020	0.006	0	0.002	0.006	---	---	0.017	1935
1936	---	---	0	0.735	0.031	0.009	0.001	0	0	0.003	---	---	0.086	1936
1937	---	---	0.011	0.044	0.009	0.009	0.009	0.003	0	0.006	---	---	0.011	1937
1938	---	---	1.57	0.121	0.022	0.059	0.021	0	0.005	0.007	---	---	0.227	1938
1939	---	---	3.92	0.063	0.035	0.393	0.007	0	0.001	0.006	---	---	0.558	1939
1940	---	---	0.006	0.472	0.061	0.022	0.012	0.008	0.003	0.011	---	---	0.073	1940
1941	---	---	0.653	0.051	0.010	0.012	0.004	0.001	0.004	0.008	---	---	0.084	1941
1942	---	---	0.193	0.222	0.022	0.039	0.016	0.016	0.052	0.014	---	---	0.071	1942
1943	---	---	1.89	1.15	0.019	0.221	0.021	0.001	0.001	0.010	---	---	0.388	1943
1944	---	---	0.018	0.312	0.020	0.033	0.005	0.010	0.009	0.006	---	---	0.051	1944
1945	---	---	1.00	0.057	0.011	0.011	0.006	0	0.002	0.009	---	---	0.139	1945
1946	---	---	0.786	0.044	0.003	0.007	0.002	0	0.002	0.008	---	---	0.107	1946
1947	---	---	0	0.188	0.018	0.084	0.029	0.158	0.013	0.010	---	---	0.085	1947
1948	---	---	0.180	1.48	0.030	0.013	0.052	0.005	0.001	0.007	---	---	0.219	1948
1949	---	---	0.080	0.070	0.008	0.005	0.003	0.002	0	0.005	---	---	0.022	1949
1950	---	---	0	4.15	0.124	0.076	0.007	0.004	0.005	0.010	---	---	0.536	1950
1951	---	---	---	2.44	0.212	0.013	0.007	0.001	0.042	0.018	---	---	---	1951
1952	---	---	0.002	9.43	0.014	0.005	0.185	0.005	0.006	0.006	---	---	1.18	1952
1975	---	---	---	---	---	0.032	0.014	0.024	0.012	0.017	---	---	---	1975
MEAN	---	---	0.530	0.578	0.033	0.049	0.018	0.013	0.008	0.008	---	---	0.193	MEAN

LOCATION - LAT 49 00 00 N DRAINAGE AREA, 376 km²
LONG 106 22 00 W NATURAL FLOW

WEST FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1931	0.258 ON MAR 21	0.248 ON MAR 21	0 ON JUN 18 *	301	1931
1932	1.93 AT 00:30 MST ON MAR 24	1.61 ON MAR 24	0E ON MAR 1	1 250	1932
1933	3.26 B ON MAR 18	2.32 B ON MAR 17	0B ON MAR 1	2 310	1933
1934	---	0.4258 ON MAR 25	0B ON MAR 1	573	1934
1935	---	0.283 ON APR 18	0B ON MAR 1	385	1935
1936	11.0 AT 17:00 MST ON APR 14	4.45 ON APR 14	0B ON MAR 1	2 030	1936
1937	---	0.130 ON APR 12	0 ON JUN 26	238	1937
1938	---	7.08 B ON MAR 16	0B ON MAR 1	4 800	1938
1939	106 AT 15:30 MST ON MAR 23	40.5 ON MAR 24	0 ON MAR 1	11 800	1939
1940	20.8 AT 22:00 MST ON APR 19	3.71 B ON APR 19	0 ON AUG 26	1 550	1940
1941	5.49 AT 10:00 MST ON MAR 27	3.45 ON MAR 27	0 ON JUL 21	1 990	1941
1942	2.04 AT 12:30 MST ON APR 4	1.17 ON APR 3	0 ON AUG 11	1 510	1942
1943	---	18.3 ON MAR 29	0B ON MAR 1	8 210	1943
1944	---	2.12 B ON APR 2	0B ON MAR 1	1 080	1944
1945	---	4.86 B ON MAR 15	0B ON MAR 1	2 940	1945
1946	6.37 AT 08:30 MST ON MAR 24	2.86 ON MAR 21	0 ON MAR 1	2 270	1946
1947	8.24 AT 01:30 MST ON AUG 23	3.54 ON AUG 23	0B ON MAR 1	1 370	1947
1948	14.5 AT 12:30 MST ON APR 15	7.08 B ON APR 15	0B ON MAR 1	4 630	1948
1949	0.9348 AT 14:30 MST ON MAR 28	0.7088 ON MAR 31	0B ON MAR 1	458	1949
1950	---	35.4 B ON APR 17	0B ON MAR 1	11 300	1950
1951	---	18.5 B ON APR 26	0B ON APR 1	---	1951
1952	154 AT 21:00 MST ON APR 14 *	85.6 ON APR 14 *	0B ON MAR 1	25 000	1952
1975	---	---	---	---	1975
				4 090	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO. 06DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	17.0	18.2	---	1973
1974	22.3	22.4	18.7	---	---	---	---	---	19.8	19.4	18.2	19.3	---	1974
1975	18.4	17.1	15.8	15.2	23.2	23.6	---	---	---	21.4	20.3	---	---	1975
1976	---	---	---	---	---	17.0	27.0	34.8	38.7	37.0	33.3	28.3	---	1976
1977	26.9	25.7	21.0	23.7	30.8	35.5	35.1	30.2	28.4	26.9	23.8	22.5	27.8	1977
1978	24.5	23.8	21.9	19.7	27.3	28.7	24.8	25.6	29.8	30.8	27.2	24.5	25.8	1978
1979	27.2	28.1	24.7	21.0	28.3	37.7	35.2	24.6	23.1	23.9	24.8	21.8	24.7	1979
1980	18.0	14.7	13.8	14.1	19.3	17.2	14.3	14.8	15.4	18.9	18.3	15.6	16.3	1980
1981	16.7	17.4	17.1	17.8	24.8	21.3	15.8	11.4	8.93	9.44	11.1	11.5	15.3	1981
1982	10.0	8.53	8.30	10.3	22.2	25.5	21.3	23.0	21.8	18.7	17.0	17.4	17.1	1982
1983	16.9	15.8	15.5	17.1	30.8	25.5	20.3	16.9	16.0	19.3	19.8	18.4	18.7	1983
1984	16.1	15.9	16.8	20.3	22.7	21.4	15.8	13.8	12.0	13.3	15.2	14.9	15.8	1984
1985	15.1	14.8	15.4	16.6	28.9	25.4	23.0	18.8	17.7	16.7	17.2	15.0	18.8	1985
1986	16.1	16.3	16.2	16.5	25.3	24.1	23.4	21.6	17.3	16.8	16.1	15.1	18.8	1986
MEAN	19.0	18.4	17.1	17.5	24.6	24.5	22.5	21.4	21.1	21.0	20.0	18.8	20.0	MEAN

LOCATION - LAT 57 28 40 N DRAINAGE AREA, 3 030 km²
LONG 104 59 50 W NATURAL FLOW

REMARKS - PRIOR TO 1978, RECORDS WERE PUBLISHED UNDER STATION NO. 07LA003

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO 05DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	43.3 AT 02:05 CST ON SEP 10 *	43.0 ON SEP 9 *	---	---	1976
1977	37.7 AT 22:53 CST ON JUL 19	37.7 ON JUL 20	18.9 ON APR 11	871 000	1977
1978	32.8 AT 11:52 CST ON OCT 16	32.8 ON SEP 25	19.1 ON APR 8	814 000	1978
1979	31.7 AT 00:25 CST ON MAY 30	31.1 ON MAY 29	19.9 ON APR 17	780 000	1979
1980	---	20.2 ON JAN 1	12.5 B ON APR 7	515 000	1980
1981	27.1 AT 21:51 CST ON MAY 20	27.0 ON MAY 19	7.89 ON OCT 9 *	481 000	1981
1982	27.3 AT 09:16 CST ON JUN 8	27.0 ON JUN 15	8.308 ON FEB 25	536 000	1982
1983	26.8 AT 21:27 CST ON JUN 16	26.4 ON JUN 17	14.5 B ON MAR 7	590 000	1983
1984	24.4 AT 18:11 CST ON APR 23	24.2 ON APR 24	9.34 ON SEP 8	525 000	1984
1985	33.7 AT 09:42 CST ON MAY 18	32.8 ON MAY 18	14.2 B ON FEB 15	593 000	1985
1986	29.2 AT 22:47 CST ON JUN 2	28.9 ON MAY 27	14.1 ON SEP 28	591 000	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		630 000	MEAN

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	0.019	0.001	---	---	---	1970
1971	---	---	0.028	13.6	0.791	1.83	4.41	1.27	0.008	0.002	---	---	2.71	1971
1972	---	---	0	27.5	10.3	0.448	0.006	0	0	0	---	---	4.72	1972
1973	---	---	0.051	4.34	0.743	26.3	11.8	1.53	1.37	1.28	---	---	5.85	1973
1974	---	---	0.082	40.7	18.1	5.96	1.10	0.309	0.088	0.265	---	---	8.35	1974
1975	---	---	0.028	7.81	10.0	4.74	0.777	0.048	0	0	---	---	2.88	1975
1976	---	---	0.019	4.16	0.188	0.145	0.170	0.027	0	0	---	---	0.578	1976
1977	---	---	0	0	0.183	1.05	0.198	0.043	0.135	0.199	---	---	0.324	1977
1978	---	---	0	13.4	3.68	0.700	0.089	0.109	0.152	0.193	---	---	2.26	1978
1979	---	---	0	25.6	20.9	5.85	1.08	0.006	0	0	---	---	5.72	1979
1980	---	---	0	4.12	0.122	0.015	0.018	0.008	0	0.002	---	---	0.526	1980
1981	---	---	0.025	0.531	0.154	0.088	0.018	0.002	0	0	---	---	0.097	1981
1982	---	---	0	7.63	0.782	0.129	0.037	0.086	0.254	0.340	---	---	1.14	1982
1983	---	---	0	10.4	4.15	1.21	1.00	0.313	0.087	0.228	---	---	2.16	1983
1984	---	---	0	13.6	10.4	9.47	0.548	0.040	0.015	0.168	---	---	4.33	1984
1985	---	---	0.006	49.2	12.3	7.98	2.85	0.224	0.098	0.074	---	---	6.93	1985
1986	---	---	0.006	5.40	3.26	0.450	0.030	0.017	0.007	0.002	---	---	1.26	1986
MEAN	---	---	0.014	14.3	6.00	4.26	1.49	0.251	0.132	0.182	---	---	3.25	MEAN

LOCATION - LAT 53 25 20 N DRAINAGE AREA, 1 870 km^2
LONG 104 20 30 W NATURAL FLOW

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	0 ON SEP 18 *	---	1970
1971	41.8 AT 05:40 CST ON APR 17	41.3 ON APR 17	0 ON MAY 31	57 400	1971
1972	131 AT 22:20 CST ON APR 25	128 ON APR 25	0B ON MAR 1	100 000	1972
1973	52.4 AT 13:36 CST ON JUN 9	52.1 ON JUN 9	0B ON MAR 1	124 000	1973
1974	189 AT 22:02 CST ON APR 21 *	180 ON APR 21 *	0 ON AUG 30	176 000	1974
1975	28.5 AT 20:00 CST ON APR 29	27.4 ON APR 29	0 ON AUG 7	51 100	1975
1976	18.1 AT 03:10 CST ON APR 10	17.4 ON APR 10	0 ON AUG 7	12 300	1976
1977	---	1.42 ON JUN 8	0B ON MAR 1	4 730	1977
1978	67.5B AT 18:28 CST ON APR 21	59.1 ON APR 22	0B ON MAR 1	47 700	1978
1979	110 AT 03:26 CST ON APR 26	106 ON APR 26	0B ON MAR 1	142 000	1979
1980	---	15.5 B ON APR 14	0B ON MAR 1	11 100	1980
1981	---	1.008 ON APR 1	0B ON MAR 1	2 080	1981
1982	30.0 AT 05:24 CST ON APR 21	29.2 ON APR 21	0B ON MAR 1	24 100	1982
1983	43.7 AT 09:17 CST ON APR 24	43.0 ON APR 24	0B ON MAR 1	45 700	1983
1984	85.0 AT 02:12 CST ON APR 10	82.6 ON APR 11	0B ON MAR 1	89 800	1984
1985	137 AT 05:29 CST ON APR 22	135 ON APR 22	0B ON MAR 1	139 000	1985
1986	22.1B AT 05:54 CST ON APR 7	20.3 B ON APR 8	0 ON AUG 24	28 700	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		89 800	MEAN

WHITE FOX RIVER NEAR WHITE FOX - STATION NO. 05KE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	0.040	0.049	0.041	0	0	0	0	---	---	0.015	1941
1942	---	---	0	1.75	0.223	1.27	10.7	1.15	0.185	0.113	---	---	1.93	1942
1943	---	---	0	10.3	2.04	0.454	0.525	0.442	0.019	0.030	---	---	1.71	1943
1944	---	---	0	0.677	1.99	0.244	0.852	1.09	1.86	3.54	---	---	1.30	1944
1945	---	---	0.115	3.70	8.34	8.09	3.38	0.310	0.048	0.136	---	---	2.74	1945
1965	---	---	---	10.4	1.29	0.519	---	---	---	---	---	---	---	1965
1966	---	---	---	---	5.23	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	4.12	0.037	---	---	---	---	---	---	---	1967
1969	---	---	---	13.1	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	19.5	---	---	---	---	---	---	---	---	---	1970
MEAN	---	---	0.023	7.43	2.81	1.24	3.09	0.598	0.419	0.784	---	---	1.54	MEAN

LOCATION - LAT 53 27 11 N
LONG 104 06 26 W
DRAINAGE AREA, 2 330 km²
NATURAL FLOW
DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WHITE FOX RIVER NEAR WHITE FOX - STATION NO. 05KE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1941	---	0.113 ON APR 18	0E ON MAR 1 *	342	1941
1942	---	37.7 ON JUL 21 *	0E ON MAR 1	40 900	1942
1943	---	36.1 ON APR 21	0E ON MAR 1	36 100	1943
1944	---	5.78 E ON OCT 12	0E ON MAR 1	27 800	1944
1945	---	18.8 ON MAY 6	0E ON MAR 1	98 100	1945
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
				32 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITE RESERVOIR OUTFLOW - STATION NO. 05HF020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.017	0	0	0	0	0	0	---	---	0.002	1969
1970	---	---	0	0.042	0	0	0	0	0	0	---	---	0.005	1970
1971	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0.037	0.007	0	0	0	0	---	---	0.006	1974
1975	---	---	0	0.022	0.003	0	0	0	0	0	---	---	0.003	1975
1976	---	---	0	0.003	0	0	0	0	0	0	---	---	0	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
MEAN	---	---	0	0.007	0.003	0.001	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 51 25 10 N
LONG 104 22 47 W
REGULATED

WHITE RESERVOIR OUTFLOW - STATION NO. 05HF020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	0 ON MAR 1	0 ON MAR 1 *	0	1968
1969	---	0.212 ON APR 11	0E ON MAR 1	44.0	1969
1970	---	0.592 ON APR 7 *	0E ON MAR 1	105	1970
1971	0.006 AT 20:34 CST ON APR 15	0.006 ON APR 15	0 ON MAR 1	3.54	1971
1972	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1972
1973	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	0.125 AT 18:05 CST ON JUN 26	0.065 ON MAY 22	0 ON MAR 1	119	1974
1975	0.2108 AT 12:50 CST ON APR 20 *	0.1448 ON APR 20	0E ON MAR 1	85.5	1975
1976	0.0148 AT 14:24 CST ON APR 7	0.011 ON APR 8	0E ON MAR 1	8.13	1976
1977	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
1978	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
				39.0	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITE TRIBUTARY NEAR FISKE - STATION NO 05HF011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.018	0	0	0	0	0	0	---	---	0.002	1969
1970	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1970
1971	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1974
1975	---	---	0	0.013	0	0	0	0	0	0	---	---	0.002	1975
1976	---	---	0.001	0.016	0	0	0	0	0	0	---	---	0.002	1976
1977	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1979
MEAN	---	---	0	0.006	0	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 51 25 15 N
LONG 108 33 53 W
DRAINAGE AREA, 0.52 km²
NATURAL FLOW

WHITE TRIBUTARY NEAR FISKE - STATION NO 05HF011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	0.374 AT 06:00 CST ON APR 5	0.017 ON MAR 1 0.122 ON APR 5	0E ON MAR 7 * 0 ON MAR 1	4.49 45.8	1969
1970	0.1868 AT 06:00 CST ON APR 8	0.0748 ON APR 8	0 ON MAR 1	20.1	1970
1971	0.0168 AT 00:16 CST ON APR 7	0.0088 ON APR 7	0E ON MAR 1	3.97	1971
1972	0.001E ON APR 5	0.001E ON APR 5	0 ON MAR 1	0.26	1972
1973	0.008 AT 19:05 CST ON MAR 30	0.003 ON MAR 17	0 ON MAR 1	2.88	1973
1974	0.4388 AT 13:38 CST ON APR 19	0.1258 ON APR 19	0E ON MAR 1	25.2	1974
1975	---	0.1088 ON APR 17	0E ON MAR 1	33.8	1975
1976	0.2018 AT 01:19 CST ON APR 3	0.1808 ON APR 3 *	0E ON MAR 1	45.5	1976
1977	0.746 AT 15:18 CST ON MAY 15 *	0.012 ON MAY 15	0 ON MAR 1	3.89	1977
1978	0.004 AT 17:37 CST ON APR 4	0.003A ON MAR 30	0E ON MAR 1	1.12	1978
1979	0.068 AT 21:29 CST ON APR 18	0.009 ON APR 18	0E ON MAR 1	2.06	1979
MEAN				15.8	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITESAND RIVER NEAR CANORA - STATION NO 05MB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1943	---	---	0	13.5	2.23	1.55	0.827	---	---	---	---	---	---	1943
1944	---	---	---	1.12	0.328	0.272	0.035	0	0	0	---	---	---	1944
1945	---	---	0.530	1.27	0.454	0.321	0.248	0.001	0.028	---	---	---	---	1945
1946	---	---	---	2.75	0.425	0.123	0.054	0.003	0.055	0.172	---	---	---	1946
1947	---	---	---	---	8.28	1.62	1.07	0.126	0.109	0.147	---	---	---	1947
1948	---	---	---	---	23.9	0.936	0.728	0.130	0.004	0.007	---	---	---	1948
1949	---	---	---	1.37	0.160	0.880	0.081	0.070	---	---	---	---	---	1949
1950	---	---	---	---	2.17	0.328	0.180	0.144	---	---	---	---	---	1950
1951	---	---	---	8.69	8.82	0.956	0.380	0.063	0.186	0.385	---	---	---	1951
1952	---	---	---	9.71	1.11	0.233	0.022	0	0	0	---	---	---	1952
1953	---	---	---	8.18	2.93	5.67	30.3	8.94	2.88	1.46	---	---	---	1953
1954	---	---	---	19.0	13.8	48.5	17.5	5.73	5.48	7.73	4.32	---	---	1954
1955	---	---	---	50.4	74.5	20.6	10.7	4.01	0.882	0.882	---	---	---	1955
1956	---	---	---	36.9	64.6	17.5	5.78	1.83	1.36	0.817	---	---	---	1956
1957	---	---	0	33.0	14.1	2.48	0.858	0.408	0.185	0	---	---	5.10	1957
1958	---	---	0.247	3.24	0.724	0.126	0	0	0	0	---	---	0.535	1958
1959	---	---	0.621	1.90	0.131	0.081	0.286	0	0	0.051	---	---	0.388	1959
1960	---	---	0.198	18.7	3.88	1.77	0.743	0.003	0	0	---	---	3.24	1960
1961	---	---	0	0.181	0.058	0	0	0	0	0	---	---	0.030	1961
1962	---	---	0	7.99	1.72	0.130	0	0	0	0	---	---	1.21	1962
1963	---	---	0.259	0.575	0.036	0.062	0.019	0.001	0	0	---	---	0.116	1963
1964	---	---	0	0.858	0.580	0.049	0	0	0	0.360	---	---	0.229	1964
1965	---	---	0	7.84	2.27	2.09	0.311	0.121	0.085	0.188	---	---	1.59	1965
1966	---	---	0	17.6	6.48	1.82	1.70	1.34	0.138	0.323	---	---	3.68	1966
1967	---	---	0.006	3.77	12.3	1.14	0.026	0.005	0.008	0.586	---	---	2.23	1967
1968	---	---	0.580	1.82	0.208	0.136	0.003	0.002	0.153	0	---	---	0.371	1968
1969	---	---	0	9.00	1.17	0.117	0.127	0.131	0.021	0.285	---	---	1.34	1969
1970	---	---	0	10.5	9.14	1.59	1.84	0.075	0	0.754	---	---	2.95	1970
1971	---	---	0.071	24.5	3.38	2.48	1.71	0.210	0	0.039	---	---	3.89	1971
1972	---	---	0.194	27.6	7.13	0.414	0.044	0.001	0	0	---	---	4.38	1972
1973	---	---	0.372	0.425	0.319	1.71	0.710	0.001	0.337	0.005	---	---	0.481	1973
1974	---	---	0.060	24.6	21.4	8.02	0.725	0.579	0.513	0.336	---	---	7.01	1974
1975	---	---	0.113	24.3	41.4	8.11	3.16	1.14	1.00	0.736	---	---	9.88	1975
1976	---	---	0.303	93.5	12.9	11.2	9.17	1.85	0.880	0.207	---	---	11.0	1976
1977	---	---	0.085	1.70	1.53	0.108	0	0	0	0	---	---	0.426	1977
1978	---	---	0	3.35	0.509	0.032	0.835	0.068	0.001	0.006	---	---	0.588	1978
1979	---	---	0.005	22.5	28.3	3.70	0.842	0.381	0.503	0.326	---	---	7.05	1979
1980	---	---	0.003	12.1	1.98	0.284	0.082	0.044	0.018	0.036	---	---	1.79	1980
1981	---	---	0.381	0.190	0.173	0.856	0.683	0.428	0.018	0.842	---	---	0.407	1981
1982	---	---	0.089	4.05	1.14	0.432	1.80	0.151	0.014	0.080	---	---	0.958	1982
1983	---	---	0.076	13.3	9.89	3.29	8.69	1.10	0.039	0.025	---	---	4.29	1983
1984	---	---	1.38	3.25	1.98	0.989	0.258	0	0	0.208	---	---	0.890	1984
1985	---	---	0.080	37.0	10.9	3.80	0.825	0.289	0.143	0.190	---	---	5.85	1985
1986	---	---	1.92	21.4	5.84	2.06	1.32	0.359	0.008	0.008	---	---	4.05	1986
MEAN	---	---	0.315	13.0	9.22	3.63	2.12	0.893	0.384	0.427	4.32	---	2.90	MEAN

LOCATION - LAT 51 38 11 N
LONG 102 22 11 W
DRAINAGE AREA, 8 740 km²
REGULATED

WHITESAND RIVER NEAR CANORA - STATION NO. 05MB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1943	---	44.7 B ON APR 12	0 B ON MAR 1 *	---	1943
1944	---	5.29 B ON APR 13	0 ON APR 1	---	1944
1945	---	4.84 ON MAR 31	0 ON MAR 1	---	1945
1946	---	11.2 ON MAR 30	0 ON AUG 28	---	1946
1947	---	43.0 ON APR 19	---	---	1947
1948	---	184 ON APR 25	0 ON SEP 13	---	1948
1949	---	5.86 ON APR 9	0 ON APR 1	---	1949
1950	---	32.3 ON APR 21	---	---	1950
1951	---	20.9 B ON APR 14	0 B ON APR 1	---	1951
1952	---	19.9 ON APR 7	0 ON JUL 17	---	1952
1953	---	48.7 ON JUL 1	---	---	1953
1954	---	115 ON JUN 15	---	---	1954
1955	145 AT 08:00 CST ON MAY 8	144 ON MAY 7	---	---	1955
1956	148 AT 18:00 CST ON APR 23	146 ON APR 23	---	---	1956
1957	---	89.8 ON APR 22	0 B ON MAR 1	108 000	1957
1958	8.38 AT 08:00 CST ON APR 4	7.67 ON APR 4	0 ON JUN 29	11 300	1958
1959	10.8 AT 18:30 CST ON APR 1	10.5 ON APR 1	0 ON MAR 1	7 780	1959
1960	86.7 AT 17:00 CST ON APR 15	80.4 ON APR 15	0 ON AUG 3	88 600	1960
1961	---	0.246 ON APR 12	0 ON MAR 1	525	1961
1962	---	40.5 ON APR 22	0 ON MAR 1	25 600	1962
1963	---	2.21 ON MAR 31	0 ON MAR 1	2 500	1963
1964	---	3.62 ON APR 18	0 ON MAR 1	4 840	1964
1965	---	32.8 B ON APR 15	0 B ON MAR 1	33 600	1965
1966	---	35.1 B ON APR 9	0 B ON MAR 1	77 500	1966
1967	---	25.2 ON APR 29	0 ON JUL 16	47 300	1967
1968	---	5.86 ON APR 3	0 B ON MAR 1	7 840	1968
1969	---	34.8 ON APR 15	0 B ON MAR 1	28 300	1969
1970	---	22.6 ON APR 14	0 B ON MAR 1	82 400	1970
1971	---	83.8 ON APR 14	0 ON AUG 29	84 400	1971
1972	96.6 ON APR 17	90.9 ON APR 17	0 ON JUL 20	92 800	1972
1973	---	3.43 ON JUN 7	0 ON MAR 1	10 200	1973
1974	112 AT 10:54 CST ON APR 22	104 ON APR 22	0.0218 ON APR 5	148 000	1974
1975	135 AT 00:30 CST ON MAY 3	132 ON MAY 3	0.1088 ON APR 15	211 000	1975
1976	202 B AT 19:40 CST ON APR 12 *	174 B ON APR 12 *	0.105 ON OCT 21	232 000	1976
1977	5.47 AT 17:43 CST ON APR 12	5.01 ON APR 12	0 ON JUN 25	9 030	1977
1978	7.198 AT 22:41 CST ON APR 9	6.85 B ON APR 10	0 B ON MAR 1	12 000	1978
1979	87.1 B AT 08:26 CST ON APR 26	86.6 B ON APR 26	0.0058 ON MAR 1	149 000	1979
1980	35.1 B AT 14:11 CST ON APR 11	34.0 B ON APR 11	0 ON JUN 20	37 900	1980
1981	4.08 AT 03:49 CST ON OCT 17	2.72 ON JUN 18	0 ON SEP 24	8 630	1981
1982	11.4 AT 13:57 CST ON APR 21	10.5 B ON APR 21	0 B ON MAR 1	20 200	1982
1983	83.3 AT 23:23 CST ON APR 24	70.1 ON APR 25	0 ON SEP 20	90 800	1983
1984	7.108 AT 17:00 CST ON MAR 30	6.76 B ON MAR 30	0 ON JUL 21	21 000	1984
1985	80.3 AT 08:35 CST ON APR 15	80.1 ON APR 15	0.001 ON SEP 18	139 000	1985
1986	47.8 B AT 16:00 EST ON APR 3	46.3 B ON APR 3	0.003 ON OCT 2	85 800	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		81 300	MEAN

WHITESAND RIVER NEAR KAMSACK - STATION NO. 05MB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	3.72	0.880	0.146	0.001	0	0	0	---	---	---	1941
1942	---	---	---	8.00	0.838	0.257	0.359	0.521	---	---	---	---	---	1942
MEAN	---	---	0	5.86	0.749	0.202	0.185	0.261	0	0	---	---	---	MEAN

LOCATION - LAT 51 33 50 N DRAINAGE AREA, 9 680 km^2
LONG 101 55 30 W REGULATED

WHITESAND RIVER NEAR KAMSACK - STATION NO. 05MB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	12.7 ON APR 15 *	0 ON MAR 1 *	---	1941
1942	---	---	0 ON APR 1	---	1942
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

WHITESAND RIVER NEAR SHEHO - STATION NO 05MB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0	2.00	0.859	0.072	0	0	0	0	---	---	0.383	1957
1958	---	---	0	0.055	0.016	0	0	0	0	0	---	---	0.009	1958
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	1.45	0.340	1.10	0.273	0	0	0	---	---	0.389	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.032	0.029	0	0	0	0	0	---	---	0.008	1962
1963	---	---	0.011	0.062	0.007	0	0	0	0	0	---	---	0.010	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.082	0.004	0.297	0.120	0.005	0	0	---	---	0.083	1965
1966	---	---	0	2.39	0.918	0.293	0.169	0.249	0.107	0.017	---	---	0.513	1966
1967	---	---	0	0.083	2.27	0.495	0.011	0	0	0	---	---	0.358	1967
1968	---	---	0.131	0.092	0.036	0.004	0	0	0	0	---	---	0.033	1968
1969	---	---	0	0.376	0.077	0.002	0	0	0	0	---	---	0.056	1969
1970	---	---	0	1.29	1.09	0.182	0.029	0	0	0	---	---	0.321	1970
1971	---	---	0	2.83	0.611	0.125	0.072	0.018	0	0	---	---	0.451	1971
1972	---	---	0	3.04	2.03	0.154	0.011	0	0	0	---	---	0.651	1972
1973	---	---	0	0.003	0.230	1.09	0.278	0.001	0	0	---	---	0.198	1973
MEAN	---	---	0.008	0.810	0.501	0.224	0.057	0.016	0.006	0.001	---	---	0.201	MEAN

LOCATION - LAT 51 35 34 N
LONG 103 02 36 W
DRAINAGE AREA, 1 840 km²
REGULATED

WHITESAND RIVER NEAR SHEHO - STATION NO. 05MB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	5.88 ON APR 21	0 ON MAR 1 *	7 890	1957
1958	---	0.170 ON APR 28	0B ON MAR 1	185	1958
1959	---	0 ON MAR 1	0 ON MAR 1	0	1959
1960	---	5.01 A ON APR 16	0B ON MAR 1		
1961	---	0 ON MAR 1	0 ON MAR 1	8 240	1960
1962	---	0.190A ON APR 21	0 ON MAR 1	0	1961
1963	---	0.085E ON MAR 29	0 ON MAR 1	150	1962
1964	---	0 ON MAR 1	0 ON MAR 1	210	1963
1965	---	1.12 B ON APR 14	0B ON MAR 1	0	1964
1966	---	10.4 B ON APR 18 *	0B ON MAR 1	1 330	1965
1967	---	4.06 B ON MAY 9	0B ON MAR 1	10 900	1966
1968	---	0.971A ON MAR 29	0B ON MAR 1	7 560	1967
1969	1.44 AT 00 10 CST ON APR 20	1.26 ON APR 20	0B ON MAR 1	895	1968
1970	3.43 AT 11:07 CST ON APR 23	3.40 ON APR 23	0B ON MAR 1	1 190	1969
1971	9.46B AT 21:00 CST ON APR 10	8.51 B ON APR 10	0B ON MAR 1	5 790	1970
1972	10.2 B ON APR 18 *	9.46 B ON APR 17	0B ON MAR 1	8 550	1971
1973	---	2.29 A ON JUN 6	0B ON MAR 1	13 800	1972
				4 210	1973
				4 270	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.041	5.80	1.88	0.596	0.192	0.086	0.030	0.031	---	---	1.14	1971
1972	---	---	0.001	7.85	3.09	0.322	0.084	0.028	0.028	0.072	---	---	1.39	1972
1973	---	---	0.094	0.137	0.449	1.48	0.478	0.036	0.030	0.086	---	---	0.345	1973
1974	---	---	0.014	6.88	9.55	2.60	0.282	0.057	0.094	0.179	---	---	2.45	1974
1975	---	---	0.041	9.04	10.4	1.83	0.154	0.057	0.177	0.075	---	---	2.69	1975
1976	---	---	0.132	15.4	1.98	4.92	1.84	0.080	0.051	0.097	---	---	3.14	1976
1977	---	---	0.112	0.301	0.401	0.012	0	0	0.014	0.088	---	---	0.116	1977
1978	---	---	0.048	0.581	0.155	0.023	0.287	0.002	0.008	0.107	---	---	0.153	1978
1979	---	---	0.017	8.52	10.8	1.72	0.193	0.299	0.455	0.219	---	---	2.79	1979
1980	---	---	0.040	1.10	0.405	0.030	0.009	0.042	0.023	0.022	---	---	0.207	1980
1981	---	---	0.081	0.088	0.084	0.258	0.089	0.088	0.030	0.077	---	---	0.096	1981
1982	---	---	0.085	2.24	0.439	0.095	0.111	0.012	0.003	0.033	---	---	0.373	1982
1983	---	---	0.080	1.88	2.22	0.847	2.11	0.858	0.011	0.012	---	---	0.853	1983
1984	---	---	0.174	1.34	1.31	0.799	0.267	0.008	0.002	0.075	---	---	0.493	1984
1985	---	---	0.236	12.2	3.08	1.31	0.180	0.032	0.078	0.129	---	---	2.12	1985
1986	---	---	1.23	5.89	1.73	0.330	0.198	0.012	0.002	0.008	---	---	1.14	1986
MEAN	---	---	0.152	5.07	2.97	1.05	0.403	0.084	0.055	0.082	---	---	1.22	MEAN

LOCATION - LAT 51 23 50 N
LONG 102 44 12 W
DRAINAGE AREA, 2 850 km²
REGULATED

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	14.9 ON APR 14	0 ON SEP 12 *	24 200	1971
1972	---	19.8 ON APR 17	0 B ON MAR 1	29 400	1972
1973	---	2.92 ON JUN 9	0.003E ON AUG 23	7 300	1973
1974	24.2 AT 14:39 CST ON APR 24	23.9 ON APR 24	0.004 ON AUG 30	51 800	1974
1975	54.1 AT 07:58 CST ON APR 30	52.7 ON APR 30	0.007 ON AUG 21	55 800	1975
1976	58.6 AT 16:26 CST ON APR 10 *	54.1 ON APR 10 *	0.008 ON AUG 20	58 400	1976
1977	1.37 AT 17:02 CST ON MAY 9	1.18 ON MAY 7	0 E ON JUN 13	2 460	1977
1978	1.938 AT 07:54 CST ON APR 12	1.338 ON APR 15	0 ON JUN 29	3 240	1978
1979	49.0 AT 20:16 CST ON APR 27	46.8 ON APR 28	0.002 ON AUG 15	53 100	1979
1980	2.198 AT 02:37 CST ON APR 6	1.878 ON APR 6	0 ON JUL 12	4 370	1980
1981	1.36 AT 14:35 CST ON JUN 15	1.00 ON JUN 15	0.011 ON SEP 17	2 040	1981
1982	7.558 AT 07:10 CST ON APR 17	7.268 ON APR 17	0 ON SEP 25	7 880	1982
1983	9.50 AT 02:02 CST ON APR 24	9.17 ON APR 24	0 ON SEP 17	20 200	1983
1984	2.77 AT 05:43 CST ON MAY 18	2.67 ON MAY 18	0 ON JUL 27	10 400	1984
1985	23.5 AT 22:37 CST ON APR 14	22.5 ON APR 14	0.001 ON AUG 11	44 800	1985
1986	12.2 AT 05:29 CST ON APR 6	12.1 ON APR 6	0 ON AUG 19	24 100	1986
				25 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITEWATER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	1.80	4.41	0.356	0.050	0.005	0.003	0.004	0.003	---	---	0.821	1927
1928	---	---	4.49	1.58	0.025	0.024	0.853	0.027	0.010	0.010	---	---	0.856	1928
1929	---	---	0.028	0.029	0.027	0.021	0.001	0	0.004	0.005	---	---	0.014	1929
1930	---	---	1.06	0.097	0.007	0.002	0.003	0.001	0.004	0.002	---	---	0.148	1930
1931	---	---	0.008	0.008	0.005	0.112	0.036	0.002	0.003	0.002	---	---	0.022	1931
1932	---	---	0.040	0.026	0.018	0.039	0.003	0	0.004	0.007	---	---	0.017	1932
1933	---	---	0.007	0.009	0.018	0.014	0.010	0.005	0.003	0.003	---	---	0.009	1933
1934	---	---	0.097	0.009	0.004	0.004	0.001	0	0.004	0.004	---	---	0.015	1934
1935	---	---	0.215	0.079	0.006	0.002	0.004	0	0.002	0.004	---	---	0.039	1935
1936	---	---	0.013	0.524	0.004	0.005	0	0	0.001	0.003	---	---	0.068	1936
1937	---	---	0	0.072	0.003	0.001	0.005	0	0	0.003	---	---	0.011	1937
1938	---	---	0.436	0.045	0.007	0.005	0.019	0	0	0.001	---	---	0.065	1938
1939	---	---	2.92	0.014	0.062	0.723	0.008	0	0.001	0.002	---	---	0.488	1939
1940	---	---	0.004	1.28	0.093	0.096	0.002	0.001	0.001	0.004	---	---	0.181	1940
1941	---	---	0.653	0.018	0.007	0.016	0.004	0	0.002	0.003	---	---	0.114	1941
1942	---	---	0.030	0.019	0.012	0.060	0.009	0.001	0.002	0.003	---	---	0.017	1942
1943	---	---	4.17	0.052	0.012	0.023	0.008	0	0	0.001	---	---	0.340	1943
1944	---	---	0.380	0.039	0.009	0.007	0.001	0	0	0.003	---	---	0.053	1944
1945	---	---	0.008	0.010	0.007	0.007	0.001	0	0.001	0.001	---	---	0.004	1945
1946	---	---	0.203	0.009	0.004	0.002	0.001	0	0	0.002	---	---	0.028	1946
1947	---	---	0.288	0.041	0.003	0.004	0.002	0	0	0	---	---	0.043	1947
1948	---	---	0.005	0.008	0.018	0.003	0	0	0	0	---	---	0.004	1948
1949	---	---	0.016	0.012	0.003	0.001	0	0	0	0.002	---	---	0.004	1949
1950	---	---	0	4.30	0.011	0.006	0.001	0	0.002	0.003	---	---	0.530	1950
1951	---	---	0	0.648	0.208	0.005	0.001	0.002	0.009	0.005	---	---	0.108	1951
1952	---	---	0	19.3	0.077	0.008	0.147	0.884	0.003	0.004	---	---	2.39	1952
1953	---	---	0.144	0.047	0.184	0.114	0.004	0	0	0.002	---	---	0.042	1953
1954	---	---	0.008	2.05	0.021	0.023	0.005	0.004	0.003	0.004	---	---	0.259	1954
1955	---	---	0.877	1.34	0.071	0.007	0.730	0.003	0.001	0.003	---	---	0.378	1955
1956	---	---	0.010	0.020	0.034	0.002	0	0	0.001	0	---	---	0.007	1956
1957	---	---	0.034	0.018	0.008	0.002	0	0	0	0.001	---	---	0.008	1957
1958	---	---	0.890	0.197	0.003	0.001	0	0	0	0	---	---	0.137	1958
1959	---	---	0.986	0.025	0.004	0.002	0.001	0	0	0.003	---	---	0.126	1959
1960	---	---	1.82	0.014	0.010	0.003	0.001	0	0	0.004	---	---	0.234	1960
1961	---	---	1.82	0.010	0.005	0.146	0.001	0	0	0.003	---	---	0.260	1961
1962	---	---	0.470	0.043	0.005	0.029	3.13	0.014	0.001	0.005	---	---	0.467	1962
1963	---	---	0.062	0.017	0.008	0.013	0.001	0	0	0.003	---	---	0.013	1963
1964	---	---	0.001	0.008	0.011	0.003	0.001	0	0.003	0.003	---	---	0.004	1964
1965	---	---	0	0.158	0.016	0.006	0.008	0	0.004	0.003	---	---	0.024	1965
1966	---	---	1.92	0.032	0.028	0.003	0.002	0	0.001	0.001	---	---	0.252	1966
1967	---	---	0.625	1.51	0.075	0.007	0	0	0.001	0.003	---	---	0.175	1967
1968	---	---	0.011	0.008	0.005	0.002	0	0.001	0.002	0.003	---	---	0.004	1968
1969	---	---	0.003	0.380	0.048	0.007	0.024	0	0	0.003	---	---	0.057	1969
1970	---	---	0.201	0.031	0.041	0.030	0.003	0	0.001	0.002	---	---	0.038	1970
1971	---	---	0.004	0.115	0.018	0.007	0.002	0	0.001	0.005	---	---	0.018	1971
1972	---	---	0.128	0.017	0.008	0.002	0.001	0.001	0.001	0.003	---	---	0.020	1972
1973	---	---	0.041	0.018	0.006	0.002	0	0	0.001	0.002	---	---	0.009	1973
1974	---	---	2.58	0.552	0.192	0.017	0.001	0.552	0.002	0.002	---	---	0.421	1974
1975	---	---	0.010	0.170	0.244	0.012	0.001	0.001	0.002	0.003	---	---	0.065	1975
1976	---	---	0.888	0.017	0.003	0.002	0.001	0	0.001	0.002	---	---	0.116	1976
1977	---	---	0.015	0.022	0.007	0.004	0.001	0	0.002	0.004	---	---	0.007	1977
1978	---	---	0.620	2.08	0.105	0.004	0.002	0.001	0.003	0.003	---	---	0.348	1978
1979	---	---	0.749	0.561	0.032	0.003	0.001	0	0.001	0.003	---	---	0.189	1979
MEAN	---	---	0.803	0.784	0.041	0.032	0.051	0.021	0.002	0.003	---	---	0.195	MEAN

LOCATION - LAT 48 57 00 N, LONG 107 52 00 W
DRAINAGE AREA, 3 190 km^2
NATURAL FLOW
INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1934

WHITEWATER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO 11AD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	32.3 AT 11:50 MST ON APR 5	26.1 ON APR 5	0 B ON MAR 1 *	17 300	1927
1928	51.3 AT 22:30 MST ON MAR 21	29.4 ON MAR 21	0.006 ON MAY 22	18 100	1928
1929	0.201 AT 08:00 MST ON APR 30	0.133 ON APR 30	0 ON JUN 27	305	1929
1930	---	5.49 B ON MAR 13	0 B ON MAR 1	3 140	1930
1931	18.0 AT 09:00 MST ON JUN 30	3.20 ON JUN 30	0.001 ON JUN 18	458	1931
1932	3.48 AT 23:00 MST ON MAY 31	0.580 ON JUN 1	0 B ON MAR 1	358	1932
1933	0.241 AT 03:30 MST ON AUG 22	0.071 ON AUG 22	0 B ON MAR 8	183	1933
1934	---	0.588B ON MAR 1	0 ON JUN 22	326	1934
1935	---	1.42 B ON MAR 19	0 B ON MAR 1	827	1935
1936	---	6.23 ON APR 10	0 B ON MAR 1	1 430	1936
1937	0.784 AT 18:00 MST ON JUL 11	0.425B ON APR 9	0 B ON MAR 1	222	1937
1938	---	6.51 B ON MAR 17	0 B ON MAR 1	1 370	1938
1939	84.8 AT 23:00 MST ON MAR 20	32.6 ON MAR 21	0 ON MAR 1	9 930	1939
1940	22.3 AT 19:00 MST ON APR 21	11.3 ON APR 21	0 ON JUL 7	3 840	1940
1941	12.7 AT 12:30 MST ON MAR 19	3.99 ON MAR 20	0 B ON MAR 17	2 410	1941
1942	0.877 AT 13:30 MST ON JUN 5	0.490 ON JUN 5	0 B ON MAR 1	357	1942
1943	79.6 AT 01:00 MST ON MAR 25	50.1 ON MAR 25	0 B ON MAR 1	11 500	1943
1944	4.78 B AT 12:30 MST ON MAR 20	3.11 B ON MAR 22	0 ON MAR 1	1 120	1944
1945	0.023B AT 23:30 MST ON MAR 21	0.020B ON MAR 15	0 B ON MAR 1	92.4	1945
1946	1.80 B AT 10:30 MST ON MAR 2	1.75 B ON MAR 1	0 ON JUN 16	594	1946
1947	---	1.90 B ON MAR 25	0 B ON MAR 1	902	1947
1948	0.863 ON MAY 22	0.207 ON MAY 23	0 B ON MAR 1	90.7	1948
1949	0.125B AT 15:00 MST ON MAR 8	0.071B ON MAR 8	0 B ON MAR 1	94.1	1949
1950	80.0 B AT 24:00 MST ON APR 15	30.9 B ON APR 15	0 B ON MAR 1	11 300	1950
1951	12.1 AT 03:00 MST ON MAY 1	4.08 ON MAY 1	0 B ON MAR 1	2 290	1951
1952	99.1 AT 02:00 MST ON APR 14 *	72.2 ON APR 14 *	0 B ON MAR 1	50 700	1952
1953	7.62 AT 19:00 MST ON MAY 29	1.56 B ON MAR 28	0 ON MAR 1	1 310	1953
1954	80.3 E ON APR 6	31.1 E ON APR 6	0 ON JUL 14	6 490	1954
1955	29.7 AT 22:15 MST ON JUL 12	17.0 B ON MAR 31	0 B ON MAR 1	8 010	1955
1956	0.071B AT 21:00 MST ON MAR 24	0.062B ON MAR 24	0 B ON MAR 1	152	1956
1957	0.934B AT 14:00 MST ON MAR 21	0.255B ON MAR 21	0 B ON MAR 1	183	1957
1958	14.2 AT 05:00 MST ON MAR 29	8.35 ON MAR 29	0 ON MAR 1	2 900	1958
1959	---	5.95 B ON MAR 27	0 B ON MAR 1	2 840	1959
1960	26.5 B AT 23:45 MST ON MAR 19	16.8 B ON MAR 20	0 ON MAR 1	4 940	1960
1961	43.0 B AT 09:45 MST ON MAR 17	27.3 B ON MAR 17	0 ON JUN 5	5 300	1961
1962	77.9 AT 22:00 MST ON JUL 13	33.4 ON JUL 14	0 ON MAR 1	9 890	1962
1963	0.561 AT 15:45 MST ON MAR 2	0.283E ON MAR 1	0 ON JUN 2	273	1963
1964	0.059 ON MAY 4	0.054 ON MAY 4	0 A ON MAR 1	78.0	1964
1965	5.66 B AT 16:30 MST ON APR 11	1.84 B ON APR 11	0 ON MAR 1	512	1965
1966	16.5 AT 18:00 MST ON MAR 15	9.97 ON MAR 17	0 ON MAR 1	5 320	1966
1967	11.5 B AT 17:30 MST ON APR 9	9.97 B ON APR 9	0 B ON MAR 1	5 820	1967
1968	0.031A AT 15:20 MST ON MAR 3	0.023E ON MAR 2	0 ON JUL 8	88.5	1968
1969	6.60 B AT 22:30 MST ON APR 7	3.23 B ON APR 8	0 B ON MAR 1	1 210	1969
1970	2.15 B AT 16:00 MST ON MAR 25	1.33 B ON MAR 21	0 B ON MAR 1	824	1970
1971	1.67 AT 18:00 CST ON APR 5	0.934 ON APR 6	0 ON JUL 28	389	1971
1972	3.54 B AT 17:30 MST ON MAR 14	1.08 B ON MAR 14	0 ON MAR 1	427	1972
1973	0.308B AT 17:00 CST ON MAR 3	0.227B ON MAR 2	0 ON JUL 7	187	1973
1974	19.4 B AT 19:00 CST ON MAR 30	17.3 B ON MAR 30	0 ON JUL 24	8 920	1974
1975	4.80 B AT 22:00 CST ON APR 14	3.06 ON MAY 7	0 ON JUL 15	1 170	1975
1976	21.2 B ON MAR 18	14.5 B ON MAR 19	0 E ON JUL 8	2 450	1976
1977	0.176 AT 19:00 MST ON APR 6	0.136 ON APR 6	0 ON JUL 3	142	1977
1978	17.4 B AT 01:00 CST ON APR 2	12.0 ON APR 5	0 ON JUL 28	7 370	1978
1979	11.4 AT 18:30 CST ON APR 7	6.51 B ON MAR 25	0 B ON MAR 1	3 570	1979
				4 130	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILCOX MAIN DITCH NEAR WILCOX - STATION NO 05JE008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	1.64	0.541	0.004	0	0	0	0	---	---	0.269	1975
1976	---	---	0.008	3.49	0.144	0.289	0.003	0	0	0	---	---	0.483	1976
1977	---	---	0.001	0	0	0	0.007	0	0	0	---	---	0.001	1977
1978	---	---	0.019	0.019	0	0	0	0	0	0	---	---	0.005	1978
1979	---	---	0	0.958	0.334	0.015	0.663	0.013	0	0	---	---	0.247	1979
1980	---	---	0	0.098	0.001	0	0	0	0	0	---	---	0.012	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	2.24	0.098	0	0.005	0	0	0	---	---	0.288	1982
1983	---	---	0	0.758	0.045	0	0	0	0	0	---	---	0.099	1983
1984	---	---	0.016	0.010	0	0	0	0	0	0	---	---	0.003	1984
1985	---	---	0.012	0.026	0	0	0	0	0	0	---	---	0.005	1985
1986	---	---	0.042	0.014	0.371	0	0	0	0	0	---	---	0.054	1986
MEAN	---	---	0.008	0.771	0.128	0.027	0.057	0.001	0	0	---	---	0.122	MEAN

LOCATION - LAT 50 03 41 N
LONG 104 46 53 W
NATURAL FLOW

WILCOX MAIN DITCH NEAR WILCOX - STATION NO. 05JE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	7.73 B AT 17:45 CST ON APR 20	5.26 B ON APR 21	0E ON MAR 1 *	5 700	1975
1976	11.7 AT 08:31 CST ON APR 6	11.5 ON APR 6	0E ON MAR 1	10 200	1976
1977	0.082 AT 20:07 CST ON JUL 11	0.051 ON JUL 12	0E ON MAR 1	21.5	1977
1978	---	0.2358 ON MAR 31	0E ON MAR 1	100	1978
1979	7.25 AT 18:58 CST ON APR 22	4.92 ON APR 23	0E ON MAR 1	5 220	1979
1980	---	0.478 ON APR 9	0E ON MAR 1	258	1980
1981	0.0258 AT 12:45 CST ON MAR 12	0.0068 ON MAR 12	0E ON MAR 1	1.30	1981
1982	12.5 AT 14:43 CST ON APR 18 *	12.3 ON APR 19 *	0E ON MAR 1	6 090	1982
1983	4.17 AT 05:50 CST ON APR 15	3.71 ON APR 15	0E ON MAR 1	2 090	1983
1984	0.1718 AT 16:20 CST ON MAR 20	0.133 ON APR 6	0E ON MAR 1	69.0	1984
1985	0.3138 AT 06:49 CST ON APR 2	0.1928 ON APR 2	0E ON MAR 1	98.1	1985
1986	2.34 AT 21:57 CST ON MAY 10	2.21 ON MAY 10	0E ON MAR 1	1 140	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 580	MEAN

WILKES BROS. DITCH NEAR OXARAT - STATION NO. 11AB064

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	0	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	0	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	0	---	0	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0.006	0.009	0.007	0.005	0	0	0	0	---	0.003	1920
1921	---	---	0	0	0	0.034	0	0	0	0.001	0	---	0.004	1921
1922	---	---	0	0	0	0.023	0	0	0	0	0	---	0.003	1922
1923	---	---	0	0	0.091	0.020	0	0	0	0	0.040	---	0.014	1923
1924	---	---	0	0	0.017	0.013	0.002	0	0	0	0	---	0.004	1924
1925	---	---	0	0	0.007	0.020	0	0	0.001	0.018	0	---	0.008	1925
1926	---	---	0	0.007	0.013	0	0	0	0	0	0	---	0.003	1926
1927	---	---	0	0	0	0	0	0.003	0	0	0	---	0	1927
1928	---	---	0	0	0.013	0.008	0	0	0	0	0	---	0.003	1928
1929	---	---	0	0	0	0	0	0	0	0	0	---	0	1929
1930	---	---	0	0	0.024	0	0	0	0	0	0	---	0.003	1930
MEAN	---	---	0	0.001	0.012	0.009	0.001	0	0	0.001	0.003	---	0.003	MEAN

LOCATION - LAT 48 26 30 N
LONG 109 35 00 W REGULATED

WILKES BROS. DITCH NEAR OXARAT - STATION NO. 11AB064

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1	0 ON MAR 1 *	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	---	0 ON MAY 11	---	1918
1919	---	---	0 ON JUL 18	---	1919
1920	---	0.057 ON MAY 4	0 ON MAR 1	70.1	1920
1921	---	0.170 ON JUN 19 *	0 ON MAR 1	90.2	1921
1922	---	0.125 ON JUN 12	0 ON MAR 1	59.1	1922
1923	---	0.110E ON MAY 1	0 ON MAR 1	298	1923
1924	---	0.068 ON MAY 9	0 ON MAR 1	83.1	1924
1925	---	0.068 ON OCT 2	0 ON MAR 1	122	1925
1926	---	0.068 ON APR 27	0 ON MAR 1	53.4	1926
1927	---	0.028 ON AUG 8	0 ON MAR 1	8.81	1927
1928	---	0.076 ON MAY 29	0 ON MAR 1	56.7	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0.076 ON MAY 13	0 ON MAR 1	83.8	1930
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		84.5	MEAN

WILLIAM RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	26.4	31.2	23.1	28.0	21.9	14.7	---	1976
1977	13.1	13.5	13.6	29.2	33.6	31.5	28.3	27.7	30.3	27.8	21.9	18.4	24.1	1977
1978	14.4	11.3	11.7	14.6	43.2	25.4	18.0	18.3	---	32.5	27.5	17.9	---	1978
1979	13.9	12.5	13.0	15.9	41.4	27.3	18.8	18.3	17.8	21.5	21.6	16.2	19.9	1979
1980	10.0	10.0	8.84	19.7	17.7	13.4	12.1	12.8	13.5	15.6	12.3	8.66	12.7	1980
1981	7.95	8.19	9.02	12.3	24.7	14.2	12.5	9.59	8.54	9.06	9.45	7.22	11.1	1981
1982	6.25	6.22	7.23	10.4	33.0	17.9	13.5	14.1	15.2	14.3	11.1	9.08	13.2	1982
1983	8.27	8.43	10.5	14.1	29.2	27.2	19.0	14.1	14.8	15.8	12.0	9.60	15.3	1983
1984	8.83	10.1	11.3	16.9	18.6	14.4	14.7	14.6	17.9	20.4	21.1	13.4	15.2	1984
1985	11.3	8.99	11.9	35.0	60.0	32.0	22.7	18.3	22.9	23.4	19.0	13.8	22.6	1985
1986	11.8	12.1	15.5	27.7	43.0	25.2	32.5	30.0	24.3	23.7	18.3	11.5	23.1	1986
MEAN	10.6	10.2	11.2	19.6	33.4	22.9	19.9	19.0	18.8	21.1	17.9	12.6	17.5	MEAN

LOCATION - LAT 58 48 50 N DRAINAGE AREA, 4 030 km^2
LONG 109 00 10 W NATURAL FLOW

WILLIAM RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	---	48.4E ON APR 28	11.4 BB ON JAN 20	761 000	1977
1978	---	58.6 ON MAY 2	9.088 ON MAR 10	---	1978
1979	52.3 AT 19 18 CST ON MAY 22	52.1 ON MAY 22	10.4 B ON MAR 6	828 000	1979
1980	---	30.4B ON APR 21	5.018 ON DEC 28 *	400 000	1980
1981	33.6B AT 20 37 CST ON MAY 2	31.8B ON MAY 1	5.26B ON JAN 1	349 000	1981
1982	---	42.0E ON MAY 8	6.19B ON FEB 1	418 000	1982
1983	36.1 AT 18 15 CST ON APR 29	32.7 ON APR 30	6.28B ON JAN 30	482 000	1983
1984	---	26.2B ON NOV 1	8.70B ON JAN 20	480 000	1984
1985	---	86.0E ON MAY 1 *	8.85B ON FEB 10	712 000	1985
1986	55.0 AT 23 15 CST ON MAY 2 *	52.6 ON MAY 3	9.63B ON FEB 26	729 000	1986
				551 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1 1986

WILLOW BROOK AT WILLOWBROOK - STATION NO. 05MB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0	0.188	0.256	0.003	0	0	0	0	---	---	0.053	1984
1985	---	---	0	0.178	0.297	0.416	0.075	0	0	0	---	---	0.120	1985
1986	---	---	0	0.670	0.338	0.077	0.030	0.001	0	0	---	---	0.138	1986
1987	---	---	0	0.290	0.657	0.009	0	0	0	0	---	---	0.120	1987
1988	---	---	0.013	0.078	0.001	0	0	0	0	0	---	---	0.011	1988
1989	---	---	0	0.882	0.001	0	0	0.001	0	0	---	---	0.121	1989
1970	---	---	0	0.888	1.22	0.087	0.002	0	0	0	---	---	0.273	1970
1971	---	---	0	1.17	0.047	0.077	0.032	0	0	0	---	---	0.162	1971
1972	---	---	0	1.11	0.062	0	0	0	0	0	---	---	0.143	1972
1973	---	---	0	0	0	0.032	0.046	0.015	0.007	0.001	---	---	0.013	1973
1974	---	---	0	1.06	1.75	0.522	0	0	0	0	---	---	0.415	1974
1975	---	---	0	3.42	2.30	0.586	0.043	0	0	0	---	---	0.788	1975
1976	---	---	0	3.53	0.363	1.46	0.211	0.001	0	0	---	---	0.884	1976
1977	---	---	0	0	0.006	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0	0	0.070	0.003	0	0	0	0	---	---	0.008	1978
1979	---	---	0	0.781	0.986	0.050	0	0	0	0	---	---	0.224	1979
1980	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.150	0.004	0.002	0	0	0	0	---	---	0.018	1982
1983	---	---	0	0.352	0.254	0.409	0.433	0.006	0	0	---	---	0.181	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	1.85	0.061	0.019	0.006	0	0	0	---	---	0.239	1985
1986	---	---	0.133	0.370	0.138	0.002	0	0	0	0	---	---	0.080	1986
MEAN	---	---	0.006	0.741	0.383	0.163	0.038	0.001	0	0	---	---	0.185	MEAN

LOCATION - LAT 51 12 20 N
LONG 102 48 05 W
DRAINAGE AREA 401 km^2
REGULATED

WILLOW BROOK AT WILLOWBROOK - STATION NO. 05MB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.782 ON APR 11	0B ON MAR 1 *	1 130	1984
1985	---	1.98 ON MAY 28	0B ON MAR 1	2 550	1985
1986	---	1.49 B ON APR 9	0B ON MAR 1	2 830	1986
1987	---	2.49 B ON APR 28	0B ON MAR 1	2 530	1987
1988	---	0.303 ON APR 2	0B ON MAR 1	240	1988
1989	---	4.25 ON APR 14	0B ON MAR 1	2 580	1989
1970	---	4.93 ON MAY 5	0B ON MAR 1	5 790	1970
1971	---	2.78 B ON APR 15	0B ON MAR 1	3 440	1971
1972	4.45 ON APR 17	3.96 ON APR 18	0B ON MAR 1	3 040	1972
1973	---	0.462 ON JUL 4	0B ON MAR 1	265	1973
1974	6.09 B AT 04 16 CST ON APR 20	5.07 ON MAY 23	0B ON MAR 1	8 780	1974
1975	25.8 AT 11 15 CST ON APR 29 *	24.0 ON APR 29 *	0B ON MAR 1	16 600	1975
1976	15.1 AT 14 19 CST ON APR 11	11.9 ON APR 11	0B ON MAR 1	14 500	1976
1977	0.054 AT 00 13 CST ON MAY 12	0.048 ON MAY 10	0B ON MAR 1	14.9	1977
1978	---	0.300E ON MAY 5	0B ON MAR 1	194	1978
1979	5.46 AT 12 00 CST ON APR 28	5.02 ON APR 28	0B ON MAR 1	4 740	1979
1980	0.1918 AT 23 30 CST ON APR 16	0.107 ON APR 17	0B ON MAR 1	25.8	1980
1981	0.002 AT 13 20 CST ON JUL 13	0 ON MAR 1	0 ON MAR 1	0	1981
1982	0.956 AT 01 12 CST ON APR 22	0.883 ON APR 22	0B ON MAR 1	400	1982
1983	8.04 AT 08 36 CST ON JUN 26	5.16 ON JUN 26	0B ON MAR 1	3 830	1983
1984	---	0.0028 ON MAR 28	0B ON MAR 1	0.86	1984
1985	5.88 AT 17 54 CST ON APR 16	5.32 ON APR 16	0B ON MAR 1	5 050	1985
1986	1.01 AT 08 58 CST ON APR 6	0.857 ON APR 6	0B ON MAR 1	1 890	1986
				3 490	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOWS COULEE NEAR ASSINIBOIA - STATION NO. 05JD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.160	0.129	0.018	0.050	0	0	0	0	---	---	0.045	1970
1971	---	---	0.160	0.050	0	0	0	0	0	0	---	---	0.026	1971
1972	---	---	0.015	0	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0.008	0.003	0	0.003	0	0	0	0	---	---	0.002	1973
1974	---	---	0.172	0.435	0.016	0	0	0.003	0	0.004	---	---	0.078	1974
1975	---	---	0.003	0.372	0.006	0.001	0	0	0	0	---	---	0.047	1975
MEAN	---	---	0.086	0.185	0.007	0.008	0	0.001	0	0.001	---	---	0.033	MEAN

LOCATION - LAT 49 36 31 N LONG 105 50 50 W DRAINAGE AREA, 47.9 km²
REGULATED

WILLOWS COULEE NEAR ASSINIBOIA - STATION NO. 05JD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	1.18 B AT 23:00 CST ON APR 4	0.898B ON APR 5	0B ON MAR 1 *	942	1970
1971	1.23 B AT 22:23 CST ON MAR 30	0.530B ON MAR 29	0B ON MAR 1	559	1971
1972	---	0.158B ON MAR 14	0B ON MAR 1	40.8	1972
1973	0.108B AT 18:11 CST ON MAR 2	0.065 ON JUN 4	0B ON MAR 8	37.7	1973
1974	3.79 B AT 19:45 CST ON APR 9 *	2.70 B ON APR 9 *	0B ON MAR 1	1 650	1974
1975	3.43 B AT 20:42 CST ON APR 21	2.35 B ON APR 21	0B ON MAR 1	988	1975
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		703	MEAN

WILSON CREEK NEAR KILOMETRE 21, CARON - STATION NO. 05JG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	0.003	0	---	1915
MEAN	---	---	---	---	---	---	---	---	---	---	0.003	0	---	MEAN

LOCATION - LAT 50 26 10 N LONG 105 49 04 W DRAINAGE AREA, 37.3 km²
NATURAL FLOW

REMARKS - FORMERLY PUBLISHED UNDER "SPRING CREEK"

WILSON CREEK NEAR KILOMETRE 21, CARON - STATION NO. 05JG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	---	0 ON MAR 15 *	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

WIMMER BROOK NEAR WIMMER - STATION NO. 05MA015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	1.18	0.052	0	0	0	0	0	---	---	---	1966
1967	---	---	0	1.48	0.627	0.001	0	0	0	0	---	---	0.262	1967
1968	---	---	0.185	0.051	0	0	0	0	0	0	---	---	0.027	1968
1969	---	---	0	1.50	0.057	0	0	0	0	0	---	---	0.191	1969
1970	---	---	0	1.70	0.506	0.004	0	0	0	0	---	---	0.273	1970
1971	---	---	0	1.71	0.097	0	0	0	0	0	---	---	0.222	1971
1972	---	---	0	4.14	0.385	0.001	0	0	0	0	---	---	0.555	1972
1973	---	---	0.045	0.007	0	0	0	0	0	0	---	---	0.007	1973
1974	---	---	---	---	0.518	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	1975
MEAN	---	---	0.030	1.47	0.248	0.001	0	0	0	0	---	---	0.220	MEAN

LOCATION - LAT 52 03 32 N LONG 104 23 45 W DRAINAGE AREA, 152 km²
NATURAL FLOW

DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WIMMER BROOK NEAR WIMMER - STATION NO 05MA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	4.22 ON APR 6	---	---	1966
1967	---	8.92 ON APR 27	0E ON MAR 1 *	5 540	1967
1968	---	1.41 ON MAR 28	0E ON MAR 1	575	1968
1969	---	8.41 ON APR 11	0E ON MAR 1	4 050	1969
1970	---	5.54 ON APR 11	0B ON MAR 1	5 790	1970
1971	---	12.1 ON APR 11	0E ON MAR 1	4 890	1971
1972	---	10.6 ON APR 13	0E ON MAR 1	11 700	1972
1973	---	0.538 ON MAR 25	0E ON MAR 1	140	1973
1974	---	18.8 ON APR 19 *	---	---	1974
1975	---	13.3 ON APR 29	---	---	1975
				4 840	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WIWA CREEK NEAR GRAVELBOURG - STATION NO 05JC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0.585	0.012	---	---	---	---	---	---	---	---	1921
1922	---	---	0.202	1.35	0.221	0.044	---	---	---	---	---	---	---	1922
1923	---	---	0	1.57	0.018	4.16	1.01	0.009	---	---	---	---	---	1923
1924	---	---	0.033	1.73	0	---	---	---	---	---	---	---	---	1924
1925	---	---	5.87	5.93	0.352	0.280	0.001	0	---	---	---	---	---	1925
1936	---	---	0.821	2.26	0.174	0.001	---	---	---	---	---	---	---	1936
1966	---	---	2.61	0.804	0.103	0	0	0	0	0	---	---	0.442	1966
1967	---	---	0	5.73	1.82	0.118	0	0	0	0	---	---	0.946	1967
1968	---	---	3.10	0.484	0.016	0	0	0	0	0	---	---	0.453	1968
1969	---	---	0	10.0	0.238	0	0.813	0.134	0	0.001	---	---	1.38	1969
1970	---	---	1.07	7.32	0.407	1.34	0.129	0	0	0	---	---	1.26	1970
1971	---	---	0.014	3.15	0.077	0	0	0	0	0	---	---	0.397	1971
1972	---	---	0.035	0.045	0	0	0	0.083	0	0	---	---	0.021	1972
1973	---	---	0.014	0	0	0	0	0	0	0	---	---	0.002	1973
1974	---	---	0	8.31	2.89	0.097	0	0	0	0	---	---	1.40	1974
MEAN	---	---	0.969	3.28	0.422	0.463	0.178	0.021	0	0	---	---	0.700	MEAN

LOCATION - LAT 50 02 14 N
LONG 106 32 58 W
DRAINAGE AREA 1 560 km^2
REGULATED

WIWA CREEK NEAR GRAVELBOURG - STATION NO 05JC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	---	0 ON MAY 26 *	---	1921
1922	---	4.25 B ON APR 5	0B ON MAR 1	---	1922
1923	---	19.3 ON JUN 27	0B ON MAR 1	---	1923
1924	---	6.46 ON APR 9	0B ON MAR 1	---	1924
1925	---	45.3 B ON MAR 29 *	0B ON MAR 1	---	1925
1936	---	7.93 E ON APR 18	0B ON MAR 1	---	1936
1966	---	18.3 B ON MAR 16	0B ON MAR 1	9 350	1966
1967	24.4 AT 05 30 CST ON APR 12	23.3 ON APR 12	0B ON MAR 1	20 100	1967
1968	17.4 B AT 05 30 CST ON MAR 5	11.0 B ON MAR 5	0 ON MAY 18	9 590	1968
1969	---	38.8 B ON APR 7	0B ON MAR 1	29 200	1969
1970	49.6 AT 14 10 CST ON APR 9 *	41.3 ON APR 10	0 ON MAR 1	26 800	1970
1971	---	22.8 B ON APR 13	0B ON MAR 1	8 410	1971
1972	5.92 AT 17 02 CST ON AUG 16	1.89 ON AUG 16	0B ON MAR 1	435	1972
1973	---	0.1108 ON MAR 9	0B ON MAR 1	36.8	1973
1974	44.5 AT 03 42 CST ON APR 17	41.6 ON APR 16	0B ON MAR 1	29 500	1974
				14 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WIWA CREEK NEAR ST. BOSWELLS - STATION NO. 05JC006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.01	---	---	---	---	---	---	---	---	1974
1975	---	---	0.034	5.61	1.61	0.033	0	0	0	0	---	---	0.899	1975
1976	---	---	7.18	3.21	0.018	0.049	0.020	0	0	0	---	---	1.31	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	1.93	1.67	0.107	0.037	1.36	0.016	0.183	0.123	---	---	0.679	1978
1979	---	---	3.14	2.98	0.698	0.068	0.017	0	0	0	---	---	0.860	1979
1980	---	---	1.65	1.27	0	0	0	0	0	0	---	---	0.364	1980
1981	---	---	0.027	0	0	0	0.040	B.006	0	0	---	---	0.009	1981
1982	---	---	2.26	9.43	1.07	0.641	0.495	0.033	0.016	0	---	---	1.73	1982
1983	---	0.220	4.51	4.60	0.415	0.009	2.27	0.052	0	0	---	---	1.48	1983
1984	---	---	0.025	0.021	0	0	B	B	0	0	---	---	0.006	1984
1985	---	---	1.15	0.210	0	0	B	0	0	0	---	---	0.172	1985
1986	---	0.815	2.10	0.027	0.016	0.106	0.016	0	0	0	---	---	0.286	1986
MEAN	---	0.518	2.00	2.42	0.380	0.079	0.352	0.009	0.017	0.010	---	---	0.650	MEAN

LOCATION - LAT 50 04 05 N DRAINAGE AREA 1 360 km²
LONG 106 45 18 W REGULATED

WIWA CREEK NEAR ST. BOSWELLS - STATION NO. 05JC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	22.3 B AT 15:56 CST ON APR 22	22.1 B ON APR 22	OB ON MAR 1 *	19 100	1975
1976	35.1 B AT 00:09 CST ON MAR 21	28.3 B ON MAR 21	OB ON MAR 1	27 800	1976
1977	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	OB ON MAR 1	0	1977
1978	13.8 AT 17:00 CST ON MAR 26	11.0 ON MAR 26	OB ON MAR 1	14 400	1978
1979	23.8 B AT 13:45 CST ON MAR 17	22.1 B ON MAR 18	OB ON MAR 1	18 200	1979
1980	10.4 AT 02:33 CST ON MAR 30	8.24 ON MAR 30	OB ON MAR 1	7 710	1980
1981	---	0.3008 ON MAR 1	OB ON MAR 21	196	1981
1982	49.8 AT 01:39 CST ON APR 14 *	42.7 ON APR 14 *	OB ON MAR 1	36 500	1982
1983	31.4 AT 07:23 CST ON MAR 31	30.2 ON APR 1	0 ON JUN 20	31 300	1983
1984	0.181 AT 20:30 CST ON MAR 25	0.146 ON MAR 26	OB ON MAR 1	121	1984
1985	5.72 AT 02:02 CST ON MAR 19	4.46 ON MAR 19	OB ON MAR 1	3 630	1985
1986	---	13.0 B ON MAR 1	0 ON APR 22	6 050	1986
				13 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOOD AND ANDERSON SOUTH DITCH NEAR COULEE - STATION NO. 11AB066

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.005	---	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 34 24 N
LONG 109 50 57 W REGULATED

WOOD AND ANDERSON WEST DITCH NEAR COULEE - STATION NO. 11AB024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	B	0	0.004	0.003	0.002	B	0	B	---	---	0.001	1915
1916	---	---	B	0	0	B	0	0	B	B	---	---	0	1916
1917	---	---	0	0	0	B	0	B	B	B	---	---	0	1917
1918	---	---	B	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0.007	0	0	0	0	0	---	---	0.001	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1936	---	---	0	0	0	0	0	0	0	0	---	---	0	1936
1938	---	---	0	0	0	0	0	0	0	0	---	---	0	1938
1939	---	---	0	0	0	0	0	0	0	0	---	---	0	1939
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 45 N
LONG 109 52 27 W REGULATED SINCE 1914

WOOD AND ANDERSON WEST DITCH NEAR COULEE - STATION NO 11AB024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.022 ON MAY 29	0 ON MAR 1 *	23.4	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1919	---	0.004 ON JUN 12	0 ON MAR 1	0.86	1919
1920	---	0.074 ON MAY 5 *	0 ON MAR 1	19.4	1920
1921	---	0 ON MAR 1	0 ON MAR 1	0	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1934	---	0 ON MAR 1	0 ON MAR 1	0	1934
1935	---	0 ON MAR 1	0 ON MAR 1	0	1935
1936	---	0 ON MAR 1	0 ON MAR 1	0	1936
1938	---	0 ON MAR 1	0 ON MAR 1	0	1938
1939	---	0 ON MAR 1	0 ON MAR 1	0	1939
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1.80	MEAN

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO 05JC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.651	1.55	0.245	0.168	0.119	0.140	0.122	---	---	0.375	1975
1976	---	---	1.33	0.711	0.105	0.089	0.136	0.051	0.025	0.031	---	---	0.310	1976
1977	---	---	0	0.118	0.183	0.117	0.007	0	0.029	0.025	---	---	0.057	1977
1978	---	---	0.266	2.93	1.49	0.587	0.059	0.154	0.205	0.115	---	---	0.718	1978
1979	---	---	0.218	2.95	2.02	0.203	0.072	0.137	0.328	0.583	---	---	0.809	1979
1980	---	---	0.082	2.89	0.798	0.223	0.246	0.307	0.213	0.224	---	---	0.617	1980
1981	---	---	1.02	0.708	0.268	0.080	0.106	0.229	0.056	0.117	---	---	0.323	1981
1982	---	---	0.015	1.52	1.70	1.33	0.713	0.312	0.307	0.447	---	---	0.789	1982
1983	---	---	1.20	1.81	0.221	0.133	0.210	0.213	0.101	0.081	---	---	0.505	1983
1984	---	---	0.480	0.709	0.288	0.019	0	0.002	0	0.005	---	---	0.187	1984
1985	---	---	0.080	1.00	0.386	0.016	0.004	0.003	0.002	0.004	---	---	0.185	1985
1986	---	0.003	2.31	1.84	0.985	0.134	0.062	0.075	0.085	0.213	---	---	0.689	1986
MEAN	---	0.003	0.583	1.48	0.831	0.263	0.149	0.134	0.124	0.184	---	---	0.484	MEAN

LOCATION - LAT 50 09 45 N
LONG 106 21 31 W REGULATED

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO 05JC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	2.78 ON APR 30	0 B ON MAR 1 *	7 930	1975
1976	13.4 B AT 16 30 CST ON MAR 30 *	12.0 B ON MAR 30 *	0 B ON MAR 1	6 580	1976
1977	0.399 AT 23 28 CST ON JUN 8	0.3008 ON APR 12	0 B ON MAR 1	1 210	1977
1978	---	4.59 B ON APR 2	0 B ON MAR 1	15 200	1978
1979	---	5.60 B ON APR 20	0 B ON MAR 1	17 100	1979
1980	---	6.00 B ON APR 6	0 B ON MAR 1	13 100	1980
1981	---	1.46 ON MAR 16	0.008 ON JUL 12	6 830	1981
1982	3.83 B AT 11 03 CST ON APR 17	3.58 B ON APR 17	0.014B ON MAR 1	16 700	1982
1983	5.45 AT 10 18 CST ON APR 7	5.38 ON APR 7	0.016E ON OCT 29	10 700	1983
1984	1.34 AT 09 39 CST ON MAR 26	1.31 ON MAR 26	0 E ON JUL 1	3 970	1984
1985	1.94 AT 16 54 CST ON APR 16	1.86 ON APR 16	0.001 ON AUG 9	3 920	1985
1986	5.57 B AT 16 32 CST ON MAR 6	5.40 B ON MAR 6	0.021 ON JUN 29	14 600	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 820	MEAN

WOOD RIVER NEAR GRAVELBOURG - STATION NO. 05JA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	---	0.020	0	---	1917
1918	0	0	7.32	3.79	0.586	0.140	0.001	0	0	0	0	0	1.48	1918
1919	0	0	0.020	5.73	0.337	0.024	0.024	0	0	0	0	0	0.753	1919
1920	0	0	4.45	3.85	0.481	0.098	0.025	0	0	0	0	0	1.11	1920
1921	0	0	2.94	1.70	0.547	0.355	0.224	0.084	0.031	0.208	0.007	0.001	0.761	1921
1922	0	0	4.98	14.0	2.88	0.304	0.208	0.038	0.002	0	0.003	0	2.75	1922
1923	0	0	1.85	7.83	0.594	8.15	10.1	0.970	0.087	0.083	0.057	---	3.83	1923
1924	---	---	0.056	2.88	0.926	1.11	0.883	0.108	0	0.151	---	---	0.730	1924
1925	---	---	29.3	18.4	1.41	1.15	0.343	0.026	0.001	---	---	---	---	1925
1936	---	---	2.82	5.82	0.529	0.040	---	---	---	---	---	---	---	1936
1940	---	---	0.048	11.4	---	---	---	---	---	---	---	---	---	1940
MEAN	0	0	5.36	7.50	0.897	1.26	1.45	0.153	0.015	0.080	0.012	0	1.80	MEAN

LOCATION - LAT 49 49 35 N DRAINAGE AREA, 5 610 km²
LONG 105 32 40 W NATURAL FLOW

REMARKS - RECORDS FROM JUL 16 1920 TO NOV 1922 COLLECTED APPROX. 10 km DOWNSTREAM IN SE05-11-04-W3

WOOD RIVER NEAR GRAVELBOURG - STATION NO. 05JA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	32.0 ON MAR 25	0 B ON MAR 1 *	31 300	1918
1919	---	17.6 ON APR 8	0 B ON MAR 1	16 000	1919
1920	---	20.08 ON MAR 26	0 B ON MAR 1	23 500	1920
1921	---	13.68 ON MAR 26	0.001 ON SEP 7	16 100	1921
1922	---	36.68 ON APR 6	0 B ON MAR 1	58 300	1922
1923	---	31.1 ON JUN 24	0 B ON MAR 1	76 900	1923
1924	---	16.7 ON APR 12	0 E ON AUG 29	15 500	1924
1925	---	257 ON MAR 30 *	0 ON AUG 25	---	1925
1936	---	30.3 ON APR 17	0 B ON MAR 1	---	1936
1940	---	53.2 ON APR 15	0 B ON MAR 1	---	1940
				33 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

WOOD RIVER NEAR LAFLECHE - STATION NO 05JA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	3.55	0.374	0.133	---	---	---	---	---	---	---	1944
1945	---	---	11.9	0.475	0.171	0.094	---	---	---	---	---	---	---	1945
1946	---	---	2.95	0.507	0.029	0.005	---	---	---	---	---	---	---	1946
1947	---	---	10.3	15.7	0.525	1.43	---	---	---	---	---	---	---	1947
1948	---	---	5.20	8.41	0.934	0.033	---	---	---	---	---	---	---	1948
1949	---	---	2.59	2.83	0.022	0.008	---	---	---	---	---	---	---	1949
1950	---	---	0.783	35.1	1.93	0.884	---	---	---	---	---	---	---	1950
1951	---	---	0.046	31.8	4.12	0.101	---	---	---	---	---	---	---	1951
1952	---	---	0	98.3	1.02	0.358	---	---	---	---	---	---	---	1952
1953	---	---	10.2	5.33	1.53	17.1	---	---	---	---	---	---	---	1953
1954	---	---	1.07	17.9	1.16	1.31	---	---	---	---	---	---	---	1954
1955	---	---	0.883	29.0	8.37	1.29	---	---	---	---	---	---	---	1955
1956	---	---	9.90	3.61	1.35	0.268	---	---	---	---	---	---	---	1956
1957	---	---	1.28	0.677	0.165	0.003	0	0	0	0	---	---	0.286	1957
1958	---	---	1.86	8.00	0.061	0	0	0	0	0	---	---	1.23	1958
1959	---	---	5.10	1.18	0.027	0.184	0.478	0.002	0	0	---	---	0.873	1959
1960	---	---	14.6	1.80	0.189	0.114	0.006	0	0	0	---	---	3.05	1960
1961	---	---	1.47	0.418	0.018	0.002	0	0	0	0	---	---	0.239	1961
1962	---	---	5.70	5.96	0.063	7.42	0.290	0.429	0.006	0	---	---	2.45	1962
1963	---	---	5.71	1.87	0.149	0.327	0.754	0.343	0.014	0	---	---	1.28	1963
1964	---	---	0.018	1.12	0.128	0.002	0	0	0	0	---	---	0.156	1964
1965	---	---	0	18.2	2.25	0.407	0.377	0.437	0.238	0.006	---	---	2.70	1965
1966	---	---	13.3	0.959	0.292	0.007	0	0	0	0	---	---	1.71	1966
1967	---	---	8.13	25.7	5.05	0.547	0.061	0	0	0	---	---	4.89	1967
1968	---	---	7.35	0.414	0.073	0.007	0.001	0	0	0	---	---	0.991	1968
1969	---	---	0.033	34.1	1.13	0.094	2.86	0.436	0.007	0.054	---	---	4.74	1969
1970	---	---	9.80	13.4	5.50	12.1	0.858	0.032	0.008	0	---	---	5.15	1970
1971	---	---	0.036	12.9	0.816	0.061	0.215	0.007	0	0	---	---	1.72	1971
1972	---	---	4.84	0.737	0.923	0.729	0.108	0.055	0.023	0.044	---	---	0.838	1972
1973	---	---	1.22	0.555	0.474	0.143	0.145	0.081	0.001	0.002	---	---	0.341	1973
1974	---	---	7.14	26.9	5.47	0.893	0.132	0.095	0.007	0.001	---	---	5.28	1974
1975	---	---	0.004	19.7	7.52	1.69	0.595	0.015	0.070	0.015	---	---	3.58	1975
1976	---	---	44.0	4.82	0.438	0.050	0.065	0.184	0.005	0	---	---	4.38	1976
1977	---	---	0.295	0.586	0.587	0.283	0.083	0.011	0	0	---	---	0.228	1977
1978	---	---	28.3	5.07	1.01	0.371	4.80	0.087	0.385	0.048	---	---	5.54	1978
1979	---	---	12.5	15.2	3.58	0.345	1.48	0.015	0	0	---	---	4.13	1979
1980	---	---	4.42	5.34	0.124	0.005	0.001	0	0	0	---	---	1.35	1980
1981	---	---	0.698	0.056	0.004	0.255	0.045	0.182	0.041	0.001	---	---	0.182	1981
1982	---	0.948	17.3	16.7	2.88	4.81	0.233	0.279	0.027	0.002	---	---	5.20	1982
1983	---	0.421	0.982	2.89	1.00	0.139	0.483	0.012	0	0	---	---	0.897	1983
1984	---	---	1.11	0.493	0.010	1.86	0.124	0	0	0	---	---	0.420	1984
1985	---	---	4.85	1.54	0.137	0.002	0	0	0	0	---	---	0.784	1985
1986	---	1.50	21.2	0.815	1.33	0.108	0.003	0	0	0	---	---	2.94	1986
MEAN	---	0.956	8.48	11.3	1.48	1.27	0.480	0.089	0.028	0.005	---	---	2.28	MEAN

LOCATION - LAT 49 40 01 N
LONG 106 41 33 W

DRAINAGE AREA, 4 730 km²
REGULATED

WOOD RIVER NEAR LAFLECHE - STATION NO 05JA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	20.3 B ON APR 7	0B ON MAR 1 *	---	1944
1945	74.5 B AT 18:00 MST ON MAR 15	69.9 B ON MAR 15	0B ON MAR 1	---	1945
1946	---	8.518 ON MAR 19	0B ON MAR 1	---	1946
1947	---	76.3 ON MAR 29	0B ON MAR 1	---	1947
1948	---	29.4 ON APR 18	0B ON MAR 1	---	1948
1949	17.2 B AT 11:15 MST ON MAR 30	15.5 B ON MAR 30	0B ON MAR 1	---	1949
1950	---	102 ON APR 15	0B ON MAR 1	---	1950
1951	---	185 B ON APR 6	0B ON MAR 1	---	1951
1952	200 AT 10:00 MST ON APR 9 *	202 ON APR 9 *	0 ON MAR 1	---	1952
1953	125 AT 18:25 MST ON JUN 5	121 ON JUN 5	---	---	1953
1954	---	93.7 B ON APR 9	---	---	1954
1955	116 B AT 17:00 MST ON APR 1	115 B ON APR 1	0B ON MAR 1	---	1955
1956	53.2 B AT 17:30 MST ON MAR 24	51.5 B ON MAR 24	0B ON MAR 1	---	1956
1957	4.428 AT 18:00 MST ON MAR 26	4.198 ON MAR 27	0B ON MAR 1	9 630	1957
1958	51.0 AT 20:53 MST ON APR 3	43.8 ON APR 3	0B ON MAR 1	25 900	1958
1959	13.4 AT 22:15 MST ON MAR 31	10.8 ON MAR 31	0B ON MAR 1	15 500	1959
1960	77.0 B AT 01:21 MST ON MAR 23	72.8 B ON MAR 23	0B ON MAR 1	43 500	1960
1961	7.488 AT 14:27 CST ON MAR 18	6.128 ON MAR 18	0B ON MAR 1	9 070	1961
1962	87.7 AT 00:11 CST ON JUN 14	77.8 ON JUN 14	0B ON MAR 1	52 000	1962
1963	---	53.0 B ON MAR 23	0 ON OCT 4	27 100	1963
1964	8.755 AT 13:10 CST ON APR 4	7.318 ON APR 4	0B ON MAR 1	3 310	1964
1965	83.1 B AT 14:14 CST ON APR 11	80.6 ON APR 12	0B ON MAR 1	57 100	1965
1966	40.8 B AT 23:26 CST ON MAR 17	39.6 B ON MAR 17	0B ON MAR 1	38 100	1966
1967	---	85.1 ON APR 11	0B ON MAR 1	104 000	1967
1968	---	17.5 B ON MAR 1	0E ON JUL 11	21 000	1968
1969	138 AT 23:00 CST ON APR 7	137 ON APR 7	0B ON MAR 1	100 000	1969
1970	89.8 AT 01:00 CST ON JUN 15	83.3 ON JUN 15	0 ON SEP 22	109 000	1970
1971	33.4 AT 01:05 CST ON APR 9	33.1 ON APR 9	0 ON AUG 31	35 400	1971
1972	36.3 B AT 12:29 CST ON MAR 17	30.0 B ON MAR 17	0B ON MAR 1	19 900	1972
1973	2.729 AT 17:46 CST ON MAR 11	2.618 ON MAR 11	0 ON SEP 13	1 210	1973
1974	102 B AT 23:12 CST ON APR 2	99.4 B ON APR 2	0 ON OCT 10	113 000	1974
1975	99.7 AT 08:31 CST ON APR 23	96.6 ON APR 23	0B ON MAR 1	75 800	1975
1976	---	195 B ON MAR 23	0 ON AUG 14	132 000	1976
1977	2.75 AT 09:09 CST ON MAY 28	2.55 ON MAY 28	0 ON SEP 7	4 820	1977
1978	100 AT 04:18 CST ON MAR 28	97.4 ON MAR 28	0B ON MAR 1	117 000	1978
1979	84.5 B AT 22:50 CST ON MAR 20	83.7 B ON MAR 21	0B ON MAR 1	87 400	1979
1980	32.2 AT 00:58 CST ON APR 2	29.8 ON APR 2	0B ON MAR 1	26 500	1980
1981	---	2.038 ON MAR 1	0 ON MAY 25	3 430	1981
1982	51.8 B AT 21:00 CST ON MAR 30	46.5 B ON MAR 30	0 ON SEP 21	110 000	1982
1983	13.0 B AT 11:55 CST ON APR 2	12.3 B ON APR 2	0 ON AUG 25	14 800	1983
1984	16.3 AT 01:57 CST ON JUN 23	15.7 ON JUN 23	0 ON JUL 25	8 890	1984
1985	15.8 B AT 09:22 CST ON MAR 17	15.0 B ON MAR 17	0B ON MAR 1	15 800	1985
1986	119 B AT 20:20 CST ON MAR 1	101 B ON MAR 2	0 ON JUL 12	82 200	1986
				48 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

[illegible] COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO 11AB105

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.595	2.27	1.02	0.023	0.286	0	0	0	---	---	0.516	1927
1928	---	---	0.091	1.07	0.004	0	0	0	0	0	---	---	0.143	1928
1929	---	---	0	0.008	0.020	0.042	0	0	0	0	---	---	0.008	1929
1930	---	---	1.36	0.352	0	0	0.025	0	0	0	---	---	0.208	1930
1931	0	0	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0.073	0.002	0	0.020	0	0	0	0	---	---	0.012	1932
1933	---	---	0	0	0	0.031	0.006	0.006	0	0	---	---	0.005	1933
1934	---	---	0.282	0.033	0	0	0	0	0	0	---	---	0.041	1934
1935	---	---	0.682	0.486	0	0	0.331	0	0	0	---	---	0.189	1935
1936	0	0	0	1.47	0	0	0	0	0	0	---	---	0.180	1936
1937	---	---	0.110	0.826	0	0	0.001	0	0	0	---	---	0.091	1937
1938	---	---	0.674	0.295	0.100	0.080	0.001	0	0	0	---	---	0.142	1938
1939	---	---	1.87	0	0	0.001	0	0	0	0	---	---	0.249	1939
1940	---	---	0	3.39	0.022	0	0	0	0	0	---	---	0.295	1940
1941	---	---	3.23	0.002	0	0.003	0.034	0	0	0	---	---	0.287	1941
1942	---	---	0.407	0.100	0	0.249	0.004	0	0	0	---	---	0.095	1942
1943	---	---	3.30	0.580	0	0.002	0.001	0	0	0	---	---	0.485	1943
1944	---	---	0.031	0	0	0	0.143	1.01	0	0	---	---	0.150	1944
1945	---	---	0.782	0	0	0	0	0	0	0	---	---	0.100	1945
1946	---	---	0.835	0	0	0.017	0	0	0	0	---	---	0.081	1946
1947	---	---	1.03	0.180	0	0	0	0	0	0	---	---	0.152	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	1.50	0	0	0	0	0	0	---	---	0.183	1950
1951	---	---	0	0.570	0.038	0.001	0.003	0	0.001	0	---	---	0.075	1951
1952	---	---	0	4.85	0.006	0	0	0	0	0	---	---	0.572	1952
1953	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1953
1954	---	---	0	0.358	0.003	0.002	0	0.001	0.007	0.011	---	---	0.047	1954
1955	---	---	0.356	2.28	0.081	0.003	0.783	0.004	0.003	0.003	---	---	0.423	1955
1956	---	---	0.033	0.042	0.040	0.005	0.002	0	0	0	---	---	0.015	1956
1957	---	---	0.021	0.575	0.003	0.004	0.001	0	0	0	---	---	0.074	1957
1958	---	---	0.990	0.474	0	0	0	0	0	0	---	---	0.183	1958
1959	---	---	0.824	0.043	0	0.002	0	0	0	0	---	---	0.110	1959
1960	---	---	1.07	0.002	0.118	0	0	0	0	0	---	---	0.151	1960
1961	---	---	0.196	0	0	0	0	0	0	0	---	---	0.025	1961
1962	---	---	0.329	0.007	0	0.001	0.001	0	0	0	---	---	0.043	1962
1963	---	---	0.008	0	0	0	0	0	0	0	---	---	0.001	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.811	0.003	0.837	0.023	0	0.001	0.002	---	---	0.181	1965
1966	---	---	0.462	0.029	0.003	0.002	0.001	0	0	0	---	---	0.060	1966
1967	---	---	0.276	1.07	0.483	0.002	0	0	0	0	---	---	0.227	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.54	0	0	0	0	0	0	---	---	0.189	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.038	0	0	0	0	0	0	---	---	0.005	1971
1972	---	---	0.432	0.001	0	0	0	0	0	0	---	---	0.055	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.382	0.377	0.580	0.001	0	0	0	0	---	---	0.188	1974
1975	---	---	0	0.518	0.275	0.480	0.104	0.198	0.002	0	---	---	0.209	1975
1976	---	---	1.06	0.006	0	0	0	0	0	0	---	---	0.133	1976
MEAN	0	0	0.499	0.497	0.056	0.033	0.035	0.024	0	0	0	0	0.131	MEAN

LOCATION - LAT 48 59 00 N DRAINAGE AREA, 172 km² INTERNATIONAL GAUGING STATION
LONG 109 31 30 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1983

WOODPILE COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO 11AB105

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	12.0 AT 07:00 MST ON APR 4	11.2 ON MAY 23	0 ON MAR 1 *	10 900	1927
1928	9.97 AT 01:00 MST ON APR 2	5.92 ON APR 2	0B ON MAR 1	3 030	1928
1929	1.01 AT 18:00 MST ON JUN 2	0.629 ON JUN 3	0 ON MAR 1	183	1929
1930	7.93 AT 03:30 MST ON APR 2	4.59 ON APR 2	0B ON MAR 2	4 400	1930
1931	---	0.001 ON MAR 21	0 ON MAR 1	0.87	1931
1932	1.29 B AT 23:30 MST ON MAR 23	0.580B ON MAR 24	0 ON MAR 1	251	1932
1933	1.73 AT 21:00 MST ON JUN 29	0.555 ON JUN 30	0 ON MAR 1	113	1933
1934	---	0.568E ON MAR 11	0 ON APR 13	870	1934
1935	16.7 AT 23:00 MST ON APR 12	5.26 B ON MAR 20	0B ON MAR 1	4 000	1935
1936	34.5 AT 01:00 MST ON APR 13	18.0 ON APR 12	0 ON MAR 1	3 810	1936
1937	13.9 AT 01:00 MST ON APR 9	5.89 ON APR 8	0 ON MAR 1	1 920	1937
1938	15.6 AT 03:00 MST ON MAR 27	7.59 ON MAR 27	0 ON MAR 1	3 000	1938
1939	80.9 AT 22:00 MST ON MAR 22	25.6 ON MAR 22	0 ON MAR 1	5 270	1939
1940	43.3 AT 23:00 MST ON APR 18	23.7 ON APR 21	0 ON MAR 1	5 270	1940
1941	50.1 B AT 02:00 MST ON MAR 22	22.4 B ON MAR 22	0 ON MAR 1	5 080	1941
1942	5.78 AT 05:30 MST ON MAR 31	3.82 ON MAR 31	0 ON MAR 1	2 000	1942
1943	87.5 ON MAR 30 *	56.6 ON MAR 30 *	0 ON MAR 1	10 300	1943
1944	83.6 AT 07:00 MST ON AUG 25	27.9 ON AUG 25	0 ON MAR 1	3 180	1944
1945	8.30 A AT 21:00 MST ON MAR 19	8.00 A ON MAR 19	0 ON MAR 1	2 120	1945
1946	5.83 AT 11:20 MST ON MAR 11	5.27 ON MAR 11	0 ON MAR 1	1 710	1946
1947	15.6 B AT 23:20 MST ON MAR 29	11.1 B ON MAR 29	0 ON MAR 1	3 230	1947
1948	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1948
1949	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1949
1950	32.6 AT 04:00 MST ON APR 13	15.2 ON APR 13	0 ON MAR 1	3 880	1950
1951	10.4 AT 22:00 MST ON APR 5	3.82 ON APR 5	0 ON MAR 1	1 800	1951
1952	83.6 AT 03:00 MST ON APR 7	44.7 ON APR 7	0 ON MAR 1	12 100	1952
1953	0.023 AT 08:30 MST ON MAY 30	0.014 ON MAY 30	0B ON MAR 1	2.77	1953
1954	22.3 ON APR 6	7.08 ON APR 6	0 ON MAR 1	891	1954
1955	23.6 E ON APR 19	17.0 E ON APR 19	0B ON MAR 1	5 950	1955
1956	0.881 AT 11:00 MST ON MAY 11	0.476 ON MAY 11	0B ON MAR 1	321	1956
1957	7.38 AT 05:00 MST ON APR 4	4.59 ON APR 4	0 ON MAR 1	1 570	1957
1958	19.7 B AT 03:00 MST ON MAR 31	11.0 B ON MAR 31	0B ON MAR 1	3 880	1958
1959	---	8.27 B ON MAR 27	0B ON MAR 1	2 330	1959
1960	12.7 AT 22:45 MST ON MAR 23	7.99 ON MAR 23	0 ON MAR 1	3 190	1960
1961	3.20	2.83 E ON MAR 14	0 ON MAR 1	528	1961
1962	4.50 E ON MAR 27	3.40 E ON MAR 27	0 ON MAR 1	905	1962
1963	---	0.040 ON MAR 1	0E ON MAR 13	11.1	1963
1964	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1964
1965	9.87 E ON JUN 27	5.88 ON APR 19	0 ON MAR 1	3 830	1965
1966	4.84 AT 14:30 MST ON MAR 18	1.53 ON MAR 20	0 ON MAR 1	1 270	1966
1967	10.1 AT 06:00 MST ON APR 28	7.36 ON APR 28	0 ON MAR 1	4 810	1967
1968	---	0 ON MAR 1	0 ON MAR 1	0	1968
1969	26.2 AT 03:00 MST ON APR 6	14.7 ON APR 6	0 ON MAR 1	4 000	1969
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	0.481 AT 05:30 CST ON APR 8	0.276 ON APR 8	0 ON MAR 1	99.6	1971
1972	5.20 AT 03:15 MST ON MAR 17	5.23 ON MAR 17	0 ON MAR 1	1 180	1972
1973	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	14.7 AT 14:00 CST ON MAY 21	9.09 ON MAY 21	0B ON MAR 1	3 550	1974
1975	18.3 AT 08:30 CST ON JUN 20	10.6 ON JUN 20	0 ON MAR 1	4 420	1975
1976	32.8 AT 03:00 CST ON MAR 19	13.8 ON MAR 19	0B ON MAR 1	2 820	1976
				2 780	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WYLIE DITCH NEAR OXARAT - STATION NO 11AC015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0.042	0.026	0.022	0.009	0.013	0.002	0	---	---	0.014	1918
1920	---	---	0	0	0	0.051	0.031	0.019	0	0	---	---	0.013	1920
1922	---	---	0	0	0.089	0.047	0.015	0	0	0	---	---	0.018	1922
1923	---	---	0	0	0.022	0.028	0	0	0	0	---	---	0.006	1923
1924	---	---	0	0	0.039	0.031	0.011	0	0	0	---	---	0.010	1924
1925	---	---	0	0	0.028	0.044	0	0	0	0	---	---	0.009	1925
1926	---	---	0	0.050	0.068	0.057	0.035	0	0	0	---	---	0.026	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0.117	0.038	0	0	0	0	---	---	0.020	1928
1930	---	---	0	0	0.103	0.119	0	0	0	0	---	---	0.038	1930
MEAN	---	---	0	0.008	0.045	0.040	0.010	0.003	0	0	---	---	0.013	MEAN

LOCATION - LAT 49 29 10 N
LONG 109 35 40 W
REGULATED

WYLIE DITCH NEAR OXBRAY - STATION NO 11AE019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	0 ON JUN 27 *	---	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1919	---	0.142E ON APR 3	0 ON MAR 1	391	1919
1920	---	0.059 ON JUN 2	0 ON MAR 1	267	1920
1922	---	0.326 ON MAY 17	0 ON MAR 1	398	1922
1923	---	0.068 ON MAY 15	0 ON MAR 1	131	1923
1924	---	0.382 ON MAY 12	0 ON MAR 1	214	1924
1925	---	0.215 ON MAY 16	0 ON MAR 1	188	1925
1926	---	0.504 ON APR 22	0 ON MAR 1	567	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0.589 ON MAY 12 *	0 ON MAR 1	414	1928
1930	---	0.391 ON MAY 18	0 ON MAR 1	585	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		278	MEAN

E - ESTIMATED

WYNYARD CREEK NEAR THE MOUTH - STATION NO 05MA015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.840	0.577	0.387	0	0	0	0	0	---	---	0.198	1966
1968	---	---	0.273	0.025	0.001	0	0	0	0	0	---	---	0.038	1968
1969	---	---	0	0.450	0	0	0	0	0	0	---	---	0.055	1969
1970	---	---	0.051	0.379	0.080	0	0.033	0	0	0	---	---	0.067	1970
1971	---	---	0	0.584	0.002	0	0	0	0	0	---	---	0.089	1971
1972	---	---	0.267	0.330	0.006	0	0	0	0	0	---	---	0.078	1972
1973	---	---	0.015	0.005	0.007	0.050	0.089	0	0	0	---	---	0.022	1973
1974	---	---	---	---	0.358	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	0.238	0.008	---	---	---	---	---	---	---	1975
1976	---	---	---	0.581	---	---	---	---	---	---	---	---	---	1976
MEAN	---	---	0.181	0.365	0.119	0.007	0.017	0	0	0	---	---	0.075	MEAN

LOCATION - LAT 51 47 46 N, LONG 104 13 22 W. DRAINAGE AREA 62.2 km^2, REGULATED. DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WYNYARD CREEK NEAR THE MOUTH - STATION NO 05MA015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	5.07 ON APR 1	0E ON MAR 1 *	4 190	1966
1968	---	1.27 ON MAR 8	0E ON MAR 1	800	1968
1969	---	3.86 ON APR 10	0 ON MAR 1	1 170	1969
1970	---	1.78 ON APR 10	0 ON MAR 1	1 420	1970
1971	---	3.96 ON APR 10	0E ON MAR 1	1 470	1971
1972	---	1.33 ON APR 13	0E ON MAR 1	1 540	1972
1973	---	0.697 ON JUL 3	0E ON MAR 1	487	1973
1974	---	3.88 ON APR 15	---	---	1974
1975	---	7.70 ON APR 28 *	0 ON JUN 25	---	1975
1976	---	---	---	---	1976
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 590	MEAN

E - ESTIMATED

WYNYARD CREEK NEAR WYNYARD - STATION NO 05MA017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.008	0.249	0.073	0.008	0.030	0	0	0	---	---	0.044	1970
1971	---	---	0	0.348	0.001	0	0	0	0	0	---	---	0.062	1971
1972	---	---	0.077	0.223	0.001	0	0	0	0	0	---	---	0.037	1972
1973	---	---	0.020	0.006	0.001	0.027	0.053	0	0	0	---	---	0.013	1973
1974	---	---	---	---	0.362	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	0.341	0.018	---	---	---	---	---	---	---	1975
MEAN	---	---	0.026	0.206	0.113	0.011	0.018	0	0	0	---	---	0.034	MEAN

LOCATION - LAT 51 43 17 N, LONG 104 11 23 W. DRAINAGE AREA 25.4 km^2, REGULATED. DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WYNYARD CREEK NEAR WYNYARD - STATION NO 05MA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	1.19 B ON APR 7	0E ON MAR 1 *	535	1970
1971	---	2.30 ON APR 10	0E ON MAR 1	699	1971
1972	---	0.872 ON APR 13	0E ON MAR 1	760	1972
1973	---	0.989 ON JUL 2	0E ON MAR 1	280	1973
1974	---	2.92 ON APR 19	0 ON JUN 29	---	1974
1975	---	5.78 ON APR 26 *	0 ON JUL 11	---	1975
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		725	MEAN

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO 05NB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0.033	0.118	0.021	0	0	0	0	0	---	---	0.021	1957
1958	---	---	0.085	0.730	0.019	0	0	0	0	0	---	---	0.102	1958
1959	---	---	0	0	0.010	0.015	0	0	0	0	---	---	0.003	1959
1960	---	---	0.001	5.26	0.302	0.002	0.002	0	0	0	---	---	0.683	1960
1961	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.852	0.004	0.003	0	0	0	0	---	---	0.081	1962
1963	---	---	0	0	0	0.091	0.068	0.018	0.002	0	---	---	0.023	1963
1964	---	---	0	0.388	0.030	0	0	0	0	0	---	---	0.051	1964
1965	---	---	0	0.482	1.11	1.21	0.022	0	0.002	0	---	---	0.251	1965
1966	---	---	1.04	0.413	0.019	0	0	0	0	0	---	---	0.194	1966
1967	---	---	0	2.02	0.404	0	0	0	0	0	---	---	0.289	1967
1968	---	---	0.136	0.027	0.003	0	0	0	0	0	---	---	0.021	1968
1969	---	---	0	11.4	3.43	0.081	0.020	0	0	0	---	---	1.84	1969
1970	---	---	0	2.46	4.34	0.719	0.331	0.150	0.002	0	---	---	1.00	1970
1971	---	---	0	7.78	1.31	0.144	0.532	0.002	0	0	---	---	1.20	1971
1972	---	---	0.697	1.97	0.048	0.009	0	0	0	0	---	---	0.337	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	12.0	10.5	0.287	0.042	0.089	0.030	0	---	---	2.86	1974
1975	---	---	0	11.3	23.4	0.675	0.047	0.022	0.003	0	---	---	4.44	1975
1976	---	---	0.015	32.8	4.79	7.20	1.74	0.597	0.097	0.001	---	---	5.82	1976
1977	---	---	0	0.155	0	0	0	0	0	0	---	---	0.019	1977
1978	---	---	0.128	1.13	0.039	0.075	0.637	0	0.054	0.007	---	---	0.257	1978
1979	---	---	0	8.52	10.0	0.432	0.382	0	0	0	---	---	2.41	1979
1980	---	---	0.001	0.930	0.003	0	0	0	0	0	---	---	0.122	1980
1981	---	---	0.020	0.004	0	0.005	0	0	0	0	---	---	0.004	1981
1982	---	---	0	11.2	5.57	0.180	0.178	0.138	0	0.002	---	---	2.14	1982
1983	---	---	0	7.14	3.05	1.38	0.840	0.151	0	0	---	---	1.63	1983
1984	---	---	0.169	0.107	0	0.030	0.005	1.04	0.005	0.011	---	---	0.172	1984
1985	---	---	2.46	1.47	0.005	0	0	0	0	0	---	---	0.482	1985
1986	---	0.001	1.45	0.048	1.85	0.004	0.005	0	0	0	---	---	0.426	1986
MEAN	---	0.001	0.308	4.02	2.34	0.417	0.158	0.073	0.007	0.001	---	---	0.896	MEAN

LOCATION - LAT 49 47 11 N DRAINAGE AREA 1 900 km^2
LONG 104 02 16 W REGULATED

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO 05NB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.4258 ON MAR 30	0E ON MAR 1 *	450	1957
1958	---	1.42 B ON APR 1	0E ON MAR 1	2 170	1958
1959	---	0.085 ON JUN 27	0E ON MAR 1	89.4	1959
1960	---	9.32 ON APR 13	0E ON MAR 1	14 400	1960
1961	---	0.006 ON MAR 23	0 ON MAR 1	2.07	1961
1962	---	2.83 ON APR 12	0E ON MAR 1	1 710	1962
1963	---	1.04 ON JUN 7	0 ON MAR 1	478	1963
1964	---	0.8018 ON APR 5	0E ON MAR 1	1 050	1964
1965	---	5.15 ON MAY 28	0E ON MAR 1	7 430	1965
1966	---	3.58 ON MAR 30	0E ON MAR 1	3 900	1966
1967	---	6.51 ON APR 19	0E ON MAR 1	5 320	1967
1968	---	1.04 ON MAR 23	0E ON MAR 1	443	1968
1969	---	21.3 ON APR 19	0E ON MAR 1	39 000	1969
1970	---	8.61 ON MAY 3	0E ON MAR 1	21 100	1970
1971	---	13.0 ON APR 13	0E ON MAR 1	25 400	1971
1972	5.47 AT 20 00 CST ON APR 5	5.30 ON APR 5	0E ON MAR 1	7 140	1972
1973	---	0.006 ON JUN 4	0 ON MAR 1	0.52	1973
1974	28.9 AT 20 30 CST ON APR 25	28.5 ON APR 25	0E ON MAR 1	80 500	1974
1975	43.5 AT 21 02 CST ON MAY 3	43.3 ON MAY 3	0E ON MAR 1	93 900	1975
1976	52.4 AT 08 16 CST ON APR 14 *	51.5 ON APR 14 *	0E ON MAR 1	123 000	1976
1977	1.08 AT 05 14 CST ON APR 9	0.844 ON APR 10	0E ON MAR 1	403	1977
1978	4.05 AT 22 39 CST ON JUL 9	3.85 ON JUL 9	0E ON MAR 1	5 440	1978
1979	28.6 AT 10 25 CST ON APR 25	28.3 ON APR 25	0E ON MAR 1	91 000	1979
1980	4.33 A AT 13 57 CST ON APR 3	4.17 A ON APR 3	0E ON MAR 1	2 570	1980
1981	0.116 AT 05 11 CST ON MAR 19	0.088 ON MAR 19	0 ON MAR 1	75.3	1981
1982	28.9 AT 18 30 CST ON APR 24	28.7 ON APR 24	0E ON MAR 1	45 300	1982
1983	17.7 AT 15 03 CST ON APR 26	17.5 ON APR 27	0E ON MAR 1	32 400	1983
1984	4.53 AT 10 50 CST ON AUG 5	4.46 ON AUG 5	0 ON MAR 1	3 650	1984
1985	8.80 B AT 02 25 CST ON MAR 22	8.22 B ON MAR 22	0E ON MAR 1	10 400	1985
1986	8.04 AT 02 45 CST ON MAY 11	7.77 ON MAY 11	0 ON MAY 2	9 020	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD		19 000	MEAN

YORKTON CREEK NEAR EBENEZER - STATION NO 05MB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	0.934	0.029	0	0	0	0	0	---	---	0.118	1941
1942	---	---	---	3.09	0.286	0.027	0.004	0.249	0	0	---	---	---	1942
1943	---	---	0	3.01	0.336	0.178	0.052	0.022	0	0	---	---	0.442	1943
1944	---	---	0	0.706	0.018	0.031	0.001	0.006	0.009	---	---	---	---	1944
1945	---	---	0.582	0.470	0.026	0.009	0.084	0	---	---	---	---	---	1945
1946	---	---	---	0.212	0.013	0	0.010	---	---	---	---	---	---	1946
1947	---	---	---	---	1.14	0.180	0.085	0	0.002	0.005	---	---	---	1947
1948	---	---	---	---	5.24	0.094	0.209	0.024	0	---	---	---	---	1948
1949	---	---	---	2.27	0.031	0.902	0.088	0.008	0	0	---	---	---	1949
1950	---	---	---	---	---	0.126	0.012	0.033	0.007	0	---	---	---	1950
1951	---	---	---	---	0.551	0.042	0.043	0.028	0.028	0.039	---	---	---	1951
1952	---	---	---	1.31	0.013	0.015	0	0	0	0	---	---	---	1952
1953	---	---	---	3.02	0.143	1.31	2.99	0.756	0.386	0.321	---	---	---	1953
1954	---	---	---	2.18	2.10	5.98	5.13	2.68	2.51	2.73	2.11	---	---	1954
1955	---	---	---	12.5	16.1	7.14	3.64	1.20	0.158	0.177	---	---	---	1955
1956	---	---	---	10.1	20.1	7.02	2.21	0.882	0.891	0.287	---	---	---	1956
1957	---	---	0	6.57	2.68	0.410	0.195	0.138	0.110	0.005	---	---	1.25	1957
1958	---	---	0.078	0.129	0.009	0.001	0	0	0	0	---	---	0.027	1958
1959	---	---	0.786	0.323	0.016	0.022	0.038	0	0.017	0.049	---	---	0.154	1959
1960	---	---	0	8.18	0.144	0.078	0.009	0	0	0	---	---	1.03	1960
1961	---	---	0.001	0.030	0.005	0	0	0	0	0	---	---	0.004	1961
1962	---	---	0	1.58	0.173	0.087	0	0	0	0.005	---	---	0.227	1962
1963	---	---	0.190	0.141	0.053	0.041	0.048	0.023	0.032	0.016	---	---	0.068	1963
1964	---	---	0	1.01	0.083	0	0	0.025	0.005	0.003	---	---	0.136	1964
1965	---	---	0	3.14	0.255	0.112	0.058	0.056	0.083	0.050	---	---	0.469	1965
1966	---	---	0	5.08	0.541	0.088	0.089	0.033	0.024	0.034	---	---	0.723	1966
1967	---	---	0	0.789	0.822	0.027	0.009	0.004	0.002	0.031	---	---	0.184	1967
1968	---	---	0.150	0.598	0.088	0.073	0.067	0.041	0.047	0.034	---	---	0.135	1968
1969	---	---	0	2.89	0.126	0.031	0.071	0.070	0.051	0.072	---	---	0.407	1969
1970	---	---	0	2.15	0.642	0.048	0.235	0.017	0.027	0.085	---	---	0.394	1970
1971	---	---	0.003	3.52	0.187	0.383	0.245	0.017	0.002	0.031	---	---	0.539	1971
1972	---	---	0.188	8.86	0.329	0.074	0.039	0.017	0.015	0.023	---	---	0.899	1972
1973	---	---	0.198	0.094	0.028	0.235	0.158	0.445	0.170	0.066	---	---	0.174	1973
1974	---	---	0.042	8.31	3.00	0.492	0.391	0.364	0.272	0.188	---	---	1.81	1974
1975	---	---	0	5.85	5.38	2.89	1.42	0.699	0.526	0.408	---	---	2.15	1975
1976	---	---	0.114	11.2	3.36	2.92	1.39	0.413	0.192	0.073	---	---	2.43	1976
1977	---	---	0.030	0.643	0.314	0.134	0.040	0.038	0.123	0.078	---	---	0.174	1977
1978	---	---	0.042	1.20	0.189	0.061	0.015	0.083	0.089	0.085	---	---	0.216	1978
1979	---	---	0.006	5.21	2.23	0.109	0.582	0.372	0.268	0.206	---	---	1.11	1979
1980	---	---	0.045	5.61	0.326	0.153	0.126	0.183	0.078	0.043	---	---	0.804	1980
1981	---	---	0.089	0.076	0.109	0.237	0.413	0.432	0.181	0.224	---	---	0.218	1981
1982	---	---	0.062	1.00	0.124	0.074	0.391	0.112	0.160	0.139	---	---	0.256	1982
1983	---	---	0.015	3.40	1.20	1.68	2.26	0.124	0.075	0.125	---	---	1.10	1983
1984	---	---	0.587	0.427	0.323	0.178	0.031	0.049	0.092	0.131	---	---	0.240	1984
1985	---	---	0.011	7.14	2.10	0.717	0.056	0.047	0.086	0.048	---	---	1.28	1985
1986	---	---	1.39	2.27	0.457	0.158	0.109	0.061	0.046	0.040	---	---	0.563	1986
MEAN	---	---	0.140	3.22	1.55	0.773	0.522	0.215	0.152	0.138	2.11	---	0.608	MEAN

LOCATION - LAT 51 22 50 N
LONG 102 30 11 W

DRAINAGE AREA, 2 320 km²
REGULATED

YORKTON CREEK NEAR EBENEZER - STATION NO 05MB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	5 72 ON APR 11	0 ON MAR 1 *	2 500	1941
1942	---	10 9 B ON APR 4	0 ON MAY 23	---	1942
1943	---	11 1 ON APR 10	0 B ON MAR 1	9 360	1943
1944	---	4 25 B ON APR 7	0 B ON MAR 1	---	1944
1945	---	---	0 ON MAR 1	---	1945
1946	---	---	0 ON APR 6	---	1946
1947	---	---	0 E ON JUL 31	---	1947
1948	---	47 6 B ON APR 25	0 ON SEP 3	---	1948
1949	---	---	0 ON JUL 4	---	1949
1950	---	33 7 ON APR 16	0 ON AUG 20	---	1950
1951	---	---	---	---	1951
1952	---	---	0 ON MAY 5	---	1952
1953	---	14 7 ON APR 6	---	---	1953
1954	---	10 6 ON JUN 17	---	---	1954
1955	---	20 2 ON MAY 10	---	---	1955
1956	---	29 7 ON APR 25	0 B ON APR 1	---	1956
1957	---	23 4 B ON APR 18	0 B ON MAR 1	26 400	1957
1958	---	0 7988 ON MAR 29	0 B ON MAR 1	573	1958
1959	---	9 23 B ON MAR 28	0 B ON MAR 1	3 260	1959
1960	---	54 4 ON APR 12 *	0 B ON MAR 1	21 800	1960
1961	---	0 068 ON APR 5	0 E ON MAR 1	93 5	1961
1962	---	10 7 B ON APR 20	0 B ON MAR 1	4 810	1962
1963	---	1 13 B ON MAR 25	0 B ON MAR 1	1 440	1963
1964	---	6 57 B ON APR 13	0 B ON MAR 1	2 880	1964
1965	---	27 7 B ON APR 12	0 B ON MAR 1	9 730	1965
1966	---	18 2 B ON APR 7	0 B ON MAR 1	15 300	1966
1967	---	5 38 B ON APR 28	0 B ON MAR 1	3 890	1967
1968	---	1 54 B ON APR 10	0 B ON MAR 1	2 880	1968
1969	---	14 9 B ON APR 12	0 B ON MAR 1	8 620	1969
1970	---	8 33 B ON APR 10	0 B ON MAR 1	8 330	1970
1971	---	29 7 B ON APR 10	0 B ON MAR 1	11 400	1971
1972	26 0 B AT 04 34 CST ON APR 12	24 6 B ON APR 12	0 B ON MAR 1	19 100	1972
1973	4 70 AT 20 00 CST ON AUG 29	4 16 ON AUG 29	0 B ON MAR 1	3 690	1973
1974	53 5 B AT 16 05 CST ON APR 20 *	48 1 B ON APR 20	0 0428 ON MAR 1	34 100	1974
1975	27 3 B AT 16 32 CST ON APR 21	23 7 B ON APR 21	0 B ON MAR 1	45 500	1975
1976	49 6 B AT 13 19 CST ON APR 10	43 9 B ON APR 10	0 040 ON OCT 7	51 400	1976
1977	3 798 AT 15 28 CST ON APR 9	3 14 B ON APR 9	0 0228 ON MAR 1	3 880	1977
1978	4 598 AT 10 00 CST ON APR 8	3 86 B ON APR 8	0 B ON MAR 1	4 570	1978
1979	26 5 B AT 05 37 CST ON APR 24	23 6 B ON APR 23	0 B ON MAR 1	23 800	1979
1980	26 0 B AT 08 40 CST ON APR 6	23 2 B ON APR 6	0 015 ON OCT 6	17 000	1980
1981	4 03 AT 14 30 CST ON AUG 1	3 78 ON AUG 1	0 0248 ON MAR 7	4 530	1981
1982	5 898 AT 12 17 CST ON APR 15	5 72 B ON APR 15	0 0108 ON MAR 1	5 430	1982
1983	38 1 AT 19 30 CST ON APR 22	26 5 B ON APR 22	0 B ON MAR 15	23 300	1983
1984	---	5 86 B ON MAR 27	0 ON SEP 3	5 080	1984
1985	27 3 AT 07 34 CST ON APR 12	26 0 ON APR 12	0 0028 ON MAR 1	26 600	1985
1986	15 7 B AT 07 47 CST ON APR 1	14 3 B ON APR 1	0 0098 ON MAR 1	11 900	1986
				12 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

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